

Link Vue System Pty Ltd.

# PRODUCT CATALOGUE

Unmanaged Industrial Ethernet
Switch & Media Converter









☑IP40 Rated Dust Protection☑12-58VDC Wide Range Input☑-40 to 75°CWide Temperature



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# LV-IMC0101F **Series**

1\*10/100Base-TX to 1\*100Base-FX **Compact Size Industrial Media Converter** 















#### **Features:**

- ▶1\*10/100Base-TX RJ45 port, 1\*100Base-FXSC/SFP(FC or ST is optional) fiber port.
- ▶12-58VDC input, redundant power supply with polarity reverse/over-voltage protection.
- Dip switch function: 1). LFP, 2). Flow control, 3). Broadcast storm restrain, 4). 10Kbytes jumbo frame.
- >Support watchdog, it can reboot automatically if the device is frozen.
- ➤ Support 4kV surge protection, ESD(air) protection, 8kV contact protection.
- ▶IP40 fan-less aluminum alloy housing and DIN-Rail hardware design with compact size(30\*85\*85mm).
- $\triangleright$  Operating temperature: -40°C to 75°C.

#### **Overview:**

The Link VueLV-IMC0101Fis the unmanaged industrial grade media converter with 1-port 10/100Base-TX RJ45 and 1-port 100Base-FXSC/SFP(FC or ST is optional) fiber optical interface. It is featuring with LFP, flow control, broadcast storm restrain and 10Kbytes jumbo frame function, which all can be configured by the Dip switch on the top panel.

LV-IMC0101F series are also high cost-effective easy-to-use device, which provide essential industrial Ethernet networking function, such as wide range power input 12-58VDC, redundant power design with polarity reverse/over-voltage protection, robust IP40 fan-less compact size housing with DIN-Rail installation, wide operating temperature from -40° Go 75° Gs well as high-level EMI/EMC capability etc. They are the best choice for heavy industrial factory, transportation, oil & gas, chemical, IP Surveillance and processing automation area where environmental conditions exceed commercial product specifications.



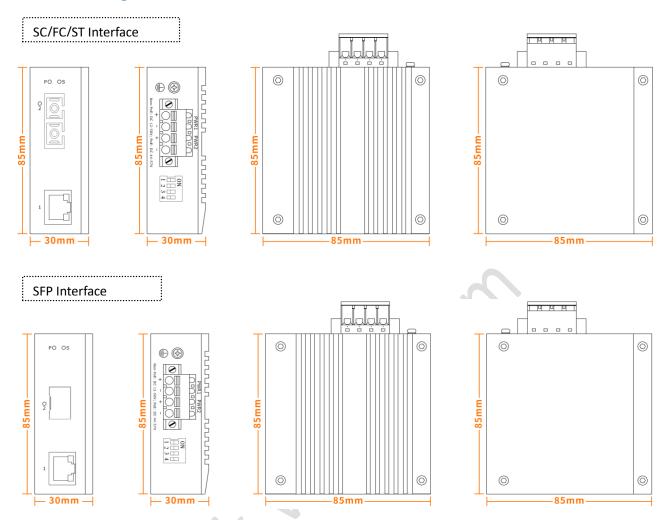
	Fiber port		(	Copper RJ45 ports
Interface	1		1	
interrace	1*10/100Base-TXRJ45 port			
	1*100Base-FX SC/SFP(FC or ST is optional) fiber port			
	IEEE 802.310Base-TEthernet			
Standard	IEEE 802.3u Fast Ethernet			
Standard	IEEE 802.3x Full-Duplex Flow	v Control		
	IEEE 802.3az Energy Efficient Ethernet			
	1). LFP			
Dip Switch	2). Flow control			
	3). Broadcast storm restrain			
	4). 10Kbytes jumbo frame			
	P(Power indicator) Green	OLV: the device is power off or failed		
	P(Power Indicator) Green	On: the device	e power on i	s normal
	S/System indicator) Pod	OLV: the chip is normal		
	S(System indicator) Red	On: the chip read/ write is unnormal		
		Green indicat	cors	Yellow indicators
LED Indicators	1(Copper port)	OLV: ports lin	k down	OLV: port speed is 10M
		On: ports link	up	
		Blinking: data	on TX/RX	On: port speed is 100M
		OLV: ports link down		
	2(Fiber port) Green	On: ports link up		
		Blinking: data on TX/RX		
	Power Pa	rameters		
Input voltage	12-58VDC, redundant powe	r input		
Input current	0.2A Max			
Total power consumption	Full loading ≤2W			
Connector	Removable 4-pin terminal block			
Reverse polarity protection	Support			
Over-voltage protection Support				
Switching Features				



Switching capacity	1.0G
Packet forwarding rate	0.744 Mpps
MAC address table	2K
VLAN	2K
Buffer	1M
Forwarding delay	<10us
Jumbo frame	Support 10Kbytes
MDX/MIDX	Support
Watchdog	Support
	Network Topology
Star topology	Support
Bus topology	Support
Tree topology	Support
	Mechanical Structure
Case protection	IP40
Installation method	DIN-Rail
Dimension(W*D*H)mm	30*85*85mm
Weight	0.35 kg
	Operating temperature: -40°C to 75°C
Operating Environment	Storage temperature: -40°C to 85°C
	Relative humidity: 5% to 95%(non-condensing)
	Surge protection of power: IEC 61000-4-5Level 3(4kV/2kV, 8/20us)
	Surge protection of Ethernet ports: IEC 61000-4-5Level 3(4kV/2kV, 10/700us)
	DIP: IEC 61000-4-11Level 3(10V)
Industrial Standard	ESD: IEC 61000-4-2 Level 4(8kV/15kV)
	Shock: IEC 60068-2-27
	Free fall: IEC 60068-2-32
	Vibration: IEC 60068-2-6
Certification	CE, FCC, RoHS
Warranty	5 years



#### **Structure Diagram:**



Model No.	Description
	Industrial media converter, 1*10/100Base-TX RJ45 port and 1*100Base-X SFP slot, DIN-Rail,
LV-IMC0101F-SFP	12-58VDC, -40° C to 75° C operating temperature(Fiber port transmission distance
	depending on the SFP module)
	Industrial media converter, 1*10/100Base-TX RJ45 port and 1*100Base-FX SC port,
LV-IMC0101F-SC	Multi-mode/Singlemode/dual fiber/single fiber, 2Km, 20/40/60/80/100/120Km are
	optional, DIN-Rail, 12-58VDC, -40° C to 75° C operating temperature
	Industrial media converter, 1*10/100Base-TX RJ45 port and 1*100Base-FX FC port,
LV-IMC0101F-FC	Multi-mode/Singlemode/dual fiber/single fiber, 2Km, 20/40/60/80/100/120Km are
	optional, DIN-Rail, 12-58VDC, -40° C to 75° C operating temperature
	Industrial media converter, 1*10/100Base-TX RJ45 port and 1*100Base-FX ST port,
LV-IMC0101F-ST	Multi-mode/Singlemode/dual fiber/single fiber, 2Km, 20/40/60/80/100/120Km are
	optional, DIN-Rail, 12-58VDC, -40° C to 75° C operating temperature



# LV-IMC0102F Series

2\*10/100Base-TX to 1\*100Base-FX

Compact Size Industrial Media Converter















#### **Features:**

- >2\*10/100Base-TX RJ45 port, 1\*100Base-FXSC/SFP(FC or ST is optional) fiber port.
- ➤ 12-58VDC input, redundant power supply with polarity reverse/over-voltage protection.
- Dip switch function: 1). LFP, 2). Flow control, 3). Broadcast storm restrain, 4). 10K bytes jumbo frame.
- Support watchdog, it can reboot automatically if the device is frozen.
- Support 4kV surge protection, 15kV ESD(air) protection, 8kV contact protection.
- >IP40 fan-less aluminum alloy housing and DIN-Rail hardware design with compact size(30\*85\*85mm).
- $\triangleright$  Operating temperature: -40°C to 75°C.

#### **Overview:**

The Link VueLV-IMC0102Fis the unmanaged industrial grade media converter with 2-port 10/100Base-TX RJ45 and 1-port 100Base-FXSC/SFP(FC or ST is optional) fiber optical interface. It is featuring with LFP, flow control, broadcast storm restrain and 10Kbytes jumbo frame function, which all can be configured by the Dip switch on the top panel.

LV-IMC0102F series are also high cost-effective easy-to-use device, which provide essential industrial Ethernet networking function, such as wide range power input 12-58VDC, redundant power design with polarity reverse/over-voltage protection, robust IP40 fan-less compact size housing with DIN-Rail installation, wide operating temperature from -40°Go 75°Gs well as high-level EMI/EMC capability etc. They are the best choice for heavy industrial factory, transportation, oil & gas, chemical, IP Surveillance and processing automation area where environmental conditions exceed commercial product specifications.



	Fiber port		(	Copper RJ45 ports
Interface	1		2	
	2*10/100Base-TXRJ45 port 1*100Base-FXSC/SFP(FC or ST is optional) fiber port			
	IEEE 802.310Base-TEthernet			
	IEEE 802.3u Fast Ethernet			
Standard	IEEE 802.3x Full-Duplex Flov	v Control		
	IEEE 802.3az Energy Efficient Ethernet			
	1). LFP			
2: 6 :: 1	2). Flow control			
Dip Switch	3). Broadcast storm restrain			
	4). 10K bytes jumbo frame			
	P(Power indicator) Green	OLV: the device is power off or failed		
	P(Power Indicator) Green	On: the device	On: the device power on is normal	
	C/Contact in disease A Dead	OLV: the chip is normal		
	S(System indicator) Red	On: the chip read/write is unnormal		
		Green indicat	tors	Yellow indicators
LED Indicators	1-2(Copper port)	OLV: ports lin	ık down	OLV: port speed is 10M
		On: ports link	с up	
		Blinking: data	a on TX/RX	On: port speed is 100M
		OLV: ports lin	ık down	
	3(Fiber port) Green	On: ports link up		
		Blinking: data on TX/RX		
	Power Pa	rameters		
Input voltage	12-58VDC, redundant powe	r input		
Input current	0.2A Max			
Total power consumption	Full loading ≤2.5W			
Connector	Removable 4-pin terminal block			
Reverse polarity protection	Support			
Over-voltage protection	Over-voltage protection Support			
Switching Features				

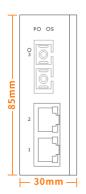


Switching capacity	1.0G
Packet forwarding rate	0.744 Mpps
MAC address table	2K
VLAN	2K
Buffer	1M
Forwarding delay	<10us
Jumbo frame	Support 10Kbytes
MDX/MIDX	Support
Watchdog	Support
	Network Topology
Star topology	Support
Bus topology	Support
Tree topology	Support
	Mechanical Structure
Case protection	IP40
Installation method	DIN-Rail
Dimension(W*D*H)mm	30*85*85mm
Weight	0.35 kg
	Operating temperature: -40°C to 75°C
Operating Environment	Storage temperature: -40°C to 85°C
	Relative humidity: 5% to 95%(non-condensing)
	Surge protection of power: IEC 61000-4-5Level 3(4kV/2kV, 8/20us)
	Surge protection of Ethernet ports: IEC 61000-4-5Level 3(4kV/2kV, 10/700us)
	DIP: IEC 61000-4-11Level 3(10V)
Industrial Standard	ESD: IEC 61000-4-2 Level 4(8kV/15kV)
	Shock: IEC 60068-2-27
	Free fall: IEC 60068-2-32
	Vibration: IEC 60068-2-6
Certification	CE, FCC, RoHS
Warranty	5 years

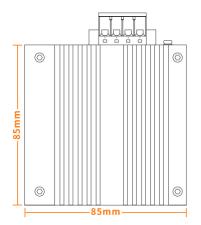


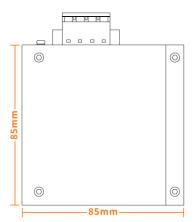
### **Structure Diagram:**

#### SC/FC/ST Interface



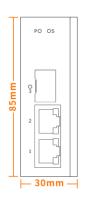


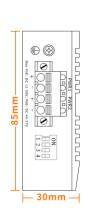


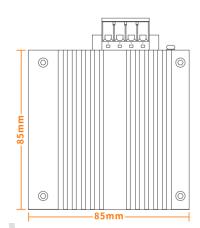


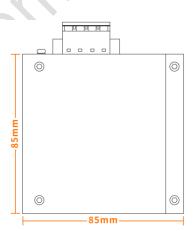
#### SFP Interface

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Model No.	Description
	Industrial media converter, 2*10/100Base-TX RJ45 port and 1*100Base-X SFP slot, DIN-Rail,
LV-IMC0102F-SFP	12-58VDC, -40° C to 75° C operating temperature(Fiber port transmission distance
	depending on the SFP module)
	Industrial media converter,2*10/100Base-TX RJ45 port and 1*100Base-FX SC port,
LV-IMC0102F-SC	Multi-mode/Singlemode/dual fiber/single fiber, 2Km, 20/40/60/80/100/120Km are
	optional, DIN-Rail, 12-58VDC, -40° C to 75° C operating temperature
	Industrial media converter,2*10/100Base-TX RJ45 port and 1*100Base-FX FC
LV-IMC0102F-FC	port, .Multi-mode/Singlemode/dual fiber/single fiber, 2Km, 20/40/60/80/100/120Km are
	optional, DIN-Rail, 12-58VDC, -40° C to 75° C operating temperature
	Industrial media converter,2*10/100Base-TX RJ45 port and 1*100Base-FX ST port,
LV-IMC0102F-ST	Multi-mode/Singlemode/dual fiber/single fiber, 2Km, 20/40/60/80/100/120Km are
	optional, DIN-Rail, 12-58VDC, -40° C to 75° C operating temperature



# LV-IMC0202F Series

2\*10/100Base-TX to 2\*100Base-X
Compact Size Industrial Media Converter











#### **Features:**

- >2\*10/100Base-TX RJ45 port, 2\*100Base-XSFP slot.
- ➤12-58VDC input, redundant power supply with polarity reverse/over-voltage protection.
- ➤ Dip switch function: 1). LFP, 2). Flow control, 3). Broadcast storm restrain, 4). 10Kbytes jumbo frame.
- Support watchdog, it can reboot automatically if the device is frozen.
- Support 4kV surge protection, 15kV ESD(air) protection, 8kV contact protection.
- >IP40 fan-less aluminum alloy housing and DIN-Rail hardware design with compact size(30\*85\*85mm).
- ▶ Operating temperature: -40  $^{\circ}$ C to 75  $^{\circ}$ C.

#### **Overview:**

The Link VueLV-IMC0202Fis the unmanaged industrial grade media converter with 2-port 10/100Base-TX RJ45 and 2-port 100Base-X SFP slot. It is featuring with LFP, flow control, broadcast storm restrain and 10Kbytes jumbo frame function, which all can be configured by the Dip switch on the top panel.

LV-IMC0202F series are also high cost-effective easy-to-use device, which provide essential industrial Ethernet networking function, such as wide range power input 12-58VDC, redundant power design with polarity reverse/over-voltage protection, robust IP40 fan-less compact size housing with DIN-Rail installation, wide operating temperature from -40°Go 75°Gs well as high-level EMI/EMC capability etc. They are the best choice for heavy industrial factory, transportation, oil & gas, chemical, IP Surveillance and processing automation area where environmental conditions exceed commercial product specifications.



	Fiber port		(	Copper RJ45 ports	
Interface	2	2		2	
interface	2*10/100Base-TXRJ45 port				
	2*100Base-X SFP slot				
	IEEE 802.310Base-TEthernet				
Standard	IEEE 802.3u Fast Ethernet				
Standard	IEEE 802.3x Full-Duplex Flov	v Control			
	IEEE 802.3az Energy Efficient Ethernet				
	1). LFP				
Dip Switch	2). Flow control				
	3). Broadcast storm restrain	3). Broadcast storm restrain			
	4). 10Kbytes jumbo frame				
	P(Power indicator) Green	OLV: the dev	ice is power	off or failed	
	r(rower marcator) dreem	On: the devi	ce power on	is normal	
	S/System indicator\ Pod	OLV: the chip	OLV: the chip is normal		
	S(System indicator) Red	On: the chip read/write is unnormal		s unnormal	
		Green indica	tors	Yellow indicators	
LED Indicators	1-2(Copper port)	OLV: ports li	nk down	OLV: port speed is 10M	
		On: ports lin	k up		
		Blinking: dat	a on TX/RX	On: port speed is 100M	
		OLV: ports li	nk down		
	3-4(Fiber port) Green	On: ports link up			
		Blinking: data on TX/RX			
	Power Par	ameters			
Input voltage	12-58VDC, redundant powe	r input			
Input current	0.3A Max				
Total power consumption	Full loading ≤2.5W				
Connector	Removable 4-pin terminal block				
Reverse polarity protection	Support				
Over-voltage protection	Over-voltage protection Support				
	Switching Features				

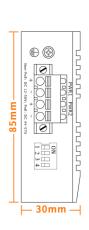


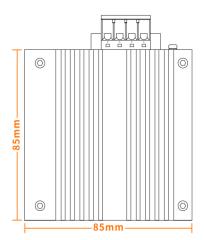
Switching capacity	1.0G		
Packet forwarding rate	0.744 Mpps		
MAC address table	2K		
VLAN	2K		
Buffer	1M		
Forwarding delay	<10us		
Jumbo frame	Support 10Kbytes		
MDX/MIDX	Support		
Watchdog	Support		
	Network Topology		
Star topology	Support		
Bus topology	Support		
Tree topology	Support		
	Mechanical Structure		
Case protection	IP40		
Installation method	DIN-Rail		
Dimension(W*D*H)mm	30*85*85mm		
Weight	0.35 kg		
	Operating temperature: -40°C to 75°C		
Operating Environment	Storage temperature: -40°C to 85°C		
	Relative humidity: 5% to 95%(non-condensing)		
	Surge protection of power: IEC 61000-4-5Level 3(4kV/2kV, 8/20us)		
	Surge protection of Ethernet ports: IEC 61000-4-5Level 3(4kV/2kV, 10/700us)		
	DIP: IEC 61000-4-11Level 3(10V)		
Industrial Standard	ESD: IEC 61000-4-2 Level 4(8kV/15kV)		
	Shock: IEC 60068-2-27		
	Free fall: IEC 60068-2-32		
	Vibration: IEC 60068-2-6		
Certification	CE, FCC, RoHS		
Warranty	5 years		

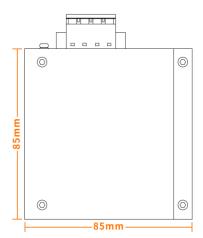


### **Structure Diagram:**









Model No.	Description
LV-IMC0202F-SFP	Industrial media converter, 2*10/100Base-TX RJ45 port and 2*100Base-X SFP slot, DIN-Rail, 12-58VDC, -40° C to 75° C operating temperature(Fiber port transmission distance depending on the SFP module)



# LV-IMC0101G Series

1\*10/100/1000Base-TX to 1\*1000Base-FX Compact Size Industrial Media Converter















#### **Features:**

- ▶1\*10/100/1000Base-TX RJ45 port,
- 1\*1000Base-FXSC/SFP(FC or ST is optional) fiber port.
- ➤12-58VDC input, redundant power supply with polarity reverse/over-voltage protection.
- Dip switch function: 1). LFP, 2). Flow control, 3). Broadcast storm restrain, 4). Fiber port 100/1000M selection.
- Support watchdog, it can reboot automatically if the device is frozen.
- Support 4kV surge protection, 15kV ESD(air) protection, 8kV contact protection.
- >IP40 fan-less aluminum alloy housing and DIN-Rail hardware design with compact size(30\*85\*85mm).
- ▶ Operating temperature: -40° $\mathbb{C}$  to 75° $\mathbb{C}$ .

#### **Overview:**

The Link VueLV-IMC0101Gis the unmanaged industrial grade media converter with 1-port 10/100/1000Base-TX RJ45 and 1-port 1000Base-FXSC/SFP(FC or ST is optional) fiber optical interface. It is featuring with LFP, flow control, broadcast storm restrain and fiber port 100/1000M selection function, which all can be configured by the Dip switch on the top panel.

LV-IMC0101G series are also high cost-effective easy-to-use device, which provide essential industrial Ethernet networking function, such as wide range power input 12-58VDC, redundant power design with polarity reverse/over-voltage protection, robust IP40 fan-less compact size housing with DIN-Rail installation, wide operating temperature from -40°Go 75°Gs well as high-level EMI/EMC capability etc. They are the best choice for heavy industrial factory, transportation, oil & gas, chemical, IP Surveillance and processing automation area where environmental conditions exceed commercial product specifications.



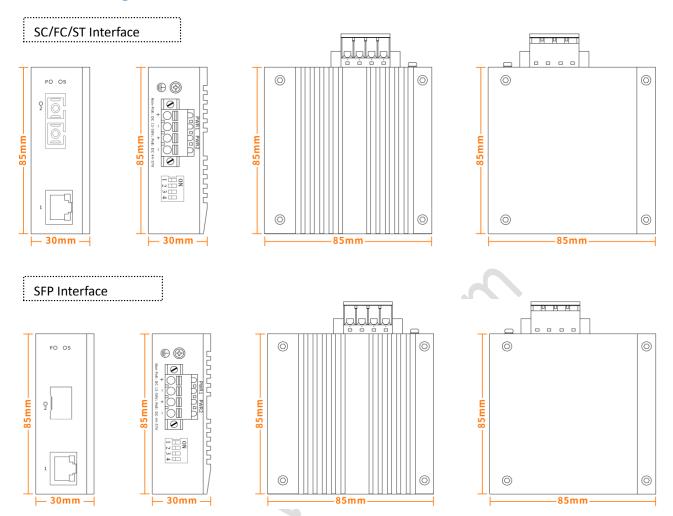
	Fiber port		(	Copper RJ45 ports	
Interface	1		1		
interface	1*10/100/1000Base-TXRJ45 port				
	1*1000Base-FXSC/SFP(FC or ST is optional) fiber port				
	IEEE 802.3 10Base-T Ethernet				
	IEEE 802.3u Fast Ethernet				
Standard	IEEE 802.3ab Gigabit Etherne	t			
	IEEE 802.3x Full-Duplex Flow	Control			
	IEEE 802.3az Energy Efficient Ethernet				
	1). LFP				
Dip Switch	2). Flow control				
	3). Broadcast storm restrain				
	4). Fiber port 100/1000M sele	4). Fiber port 100/1000M selection			
	P(Power indicator) Green	OLV: the device is power off or failed			
		On: the device power on is normal			
	S(System indicator) Red	OLV: the chip is normal			
		On: the chip read/write is unnormal			
		Green indic	ators	Yellow indicators	
LED Indicators	1(Copper port)	OLV: ports l	ink down	OLV: port speed is 10/100M	
		On: ports li	nk up	One part speed is 1000M	
		Blinking: da	ta on TX/RX	On: port speed is 1000M	
		OLV: ports I	DLV: ports link down		
	2(Fiber port) Green	On: ports link up			
		Blinking: data on TX/RX			
	Power Para	meters			
Input voltage	12-58VDC, redundant power input				
Input current	0.2A Max				
Total power consumption	Full loading ≤2W				
Connector	Removable 4-pin terminal block				
Reverse polarity protection	Support				
Over-voltage protection	Support				



	Switching Features	
Switching capacity	2.0G	
Packet forwarding rate	2.97 Mpps	
MAC address table	8K	
VLAN	4K	
Buffer	1M	
Forwarding delay	<10us	
Jumbo frame	Support 10Kbytes	
MDX/MIDX	Support	
Watchdog	Support	
	Network Topology	
Star topology	Support	
Bus topology	Support	
Tree topology	Support	
	Mechanical Structure	
Case protection	IP40	
Installation method	DIN-Rail	
Dimension(W*D*H)mm	30*85*85mm	
Weight	0.35 kg	
	Operating temperature: -40°C to 75°C	
Operating Environment	Storage temperature: -40°C to 85°C	
	Relative humidity: 5% to 95%(non-condensing)	
	Surge protection of power: IEC 61000-4-5Level 3(4kV/2kV, 8/20us)	
	Surge protection of Ethernet ports: IEC 61000-4-5Level 3(4kV/2kV, 10/700us)	
	DIP: IEC 61000-4-11Level 3(10V)	
Industrial Standard	ESD: IEC 61000-4-2 Level 4(8kV/15kV)	
	Shock: IEC 60068-2-27	
	Free fall: IEC 60068-2-32	
	Vibration: IEC 60068-2-6	
Certification	CE, FCC, RoHS	
Warranty	5 years	



#### **Structure Diagram:**



Model No.	Description
	Industrial media converter, 1*10/100/1000Base-TX RJ45 port and 1*1000Base-X SFP slot,
LV-IMC0101G-SFP	DIN-Rail, 12-58VDC, -40 $^{\circ}$ C to 75 $^{\circ}$ C operating temperature(Fiber port transmission distance
	depending on the SFP module)
	Industrial media converter, 1*10/100/1000Base-TX RJ45 port and 1*1000Base-FX SC port,
LV-IMC0101G-SC	Multi-mode/Singlemode/dual fiber/single fiber, 550m, 20/40/60/80/100/120Km are
	optional, DIN-Rail, 12-58VDC, -40℃ to 75℃ operating temperature
	Industrial media converter, 1*10/100/1000Base-TX RJ45 port and 1*1000Base-FXFC port,
LV-IMC0101G-FC	Multi-mode/Singlemode/dual fiber/single fiber, 550m, 20/40/60/80/100/120Km are
	optional, DIN-Rail, 12-58VDC, -40 $^{\circ}\mathrm{C}$ to 75 $^{\circ}\mathrm{C}$ operating temperature
	Industrial media converter, 1*10/100/1000Base-TX RJ45 port and 1*1000Base-FX ST port,
LV-IMC0101G-ST	Multi-mode/Singlemode/dual fiber/single fiber, 550m, 20/40/60/80/100/120Km are
	optional, DIN-Rail, 12-58VDC, -40℃ to 75℃ operating temperature



# LV-IMC0102G Series

2\*10/100/1000Base-TX to 1\*1000Base-FX Compact Size Industrial Media Converter



















#### **Features:**

- >2\*10/100/1000Base-TX RJ45 port,
- 1\*1000Base-FXSC/SFP(FC or ST is optional) fiber port.
- ➤12-58VDC input, redundant power supply with polarity reverse/over-voltage protection.
- Dip switch function: 1). LFP, 2). Flow control, 3). Broadcast storm restrain, 4). Fiber port 100/1000M selection.
- Support watchdog, it can reboot automatically if the device is frozen.
- Support 4kV surge protection, 15kV ESD(air) protection, 8kV contact protection.
- >IP40 fan-less aluminum alloy housing and DIN-Rail hardware design with compact size(30\*85\*85mm).
- ▶ Operating temperature: -40° $\mathbb{C}$  to 75° $\mathbb{C}$ .

#### **Overview:**

The Link VueLV-IMC0102G is the unmanaged industrial grade media converter with 2-port 10/100/1000Base-TX RJ45 and 1-port 1000Base-FXSC/SFP(FC or ST is optional) fiber optical interface. It is featuring with LFP, flow control, broadcast storm restrain and fiber port 100/1000M selection function, which all can be configured by the Dip switch on the top panel.

LV-IMC0102G series are also high cost-effective easy-to-use device, which provide essential industrial Ethernet networking function, such as wide range power input 12-58VDC, redundant power design with polarity reverse/over-voltage protection, robust IP40 fan-less compact size housing with DIN-Rail installation, wide operating temperature from -40°Go 75°Gs well as high-level EMI/EMC capability etc. They are the best choice for heavy industrial factory, transportation, oil & gas, chemical, IP Surveillance and processing automation area where environmental conditions exceed commercial product specifications.



	Fiber port		(	Copper RJ45 ports	
Interface	1		2		
interrace	2*10/100/1000Base-TXRJ45 port				
	1*1000Base-FXSC/SFP(FC or ST is optional) fiber port				
	IEEE 802.3 10Base-T Ethernet				
	IEEE 802.3u Fast Ethernet				
Standard	IEEE 802.3ab Gigabit Ethernet				
	IEEE 802.3x Full-Duplex Flow	Control			
	IEEE 802.3az Energy Efficient	Ethernet			
	1). LFP				
Dip Switch	2). Flow control				
	3). Broadcast storm restrain				
	4). Fiber port 100/1000M sele				
	P(Power indicator) Green	OLV: the device is power off or failed			
	,	On: the device power on is normal			
	S(System indicator) Red	OLV: the chip is normal			
	3(3)stem maleatory nea	On: the chip read/write is unnormal			
	1-2(Copper port)	Green indic	ators	Yellow indicators	
LED Indicators		OLV: ports l	ink down	OLV: port speed is 10/100M	
		On: ports li	nk up	On: port speed is 1000M	
		Blinking: da	ta on TX/RX	On. port speed is 1000ivi	
		OLV: ports link down			
	3(Fiber port) Green	On: ports link up			
		Blinking: data on TX/RX			
	Power Parameters				
Input voltage	12-58VDC, redundant power input				
Input current	0.2A Max				
Total power consumption	Full loading ≤2.5W				
Connector	Removable 4-pin terminal block				
Reverse polarity protection	Support				
Over-voltage protection	Support				

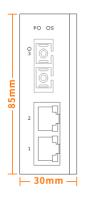


Switching Features				
Switching capacity	6.0G			
Packet forwarding rate	8.92 Mpps			
MAC address table	8K			
VLAN	4K			
Buffer	1M			
Forwarding delay	<10us			
Jumbo frame	Support 10Kbytes			
MDX/MIDX	Support			
Watchdog	Support			
	Network Topology			
Star topology	Support			
Bus topology	Support			
Tree topology	Support			
	Mechanical Structure			
Case protection	IP40			
Installation method	DIN-Rail			
Dimension(W*D*H)mm	30*85*85mm			
Weight	0.35 kg			
	Operating temperature: -40°C to 75°C			
Operating Environment	Storage temperature: -40°C to 85°C			
	Relative humidity: 5% to 95%(non-condensing)			
	Surge protection of power: IEC 61000-4-5Level 3(4kV/2kV, 8/20us)			
	Surge protection of Ethernet ports: IEC 61000-4-5Level 3(4kV/2kV, 10/700us)			
	DIP: IEC 61000-4-11Level 3(10V)			
Industrial Standard	ESD: IEC 61000-4-2 Level 4(8kV/15kV)			
	Shock: IEC 60068-2-27			
	Free fall: IEC 60068-2-32			
	Vibration: IEC 60068-2-6			
Certification	CE, FCC, RoHS			
Warranty	5 years			

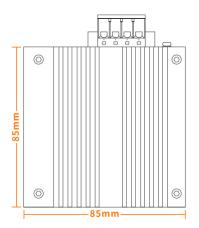


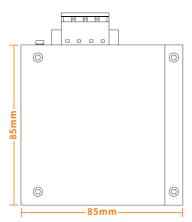
### **Structure Diagram:**

#### SC/FC/ST Interface

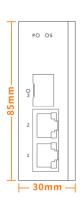


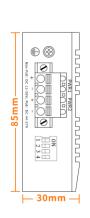


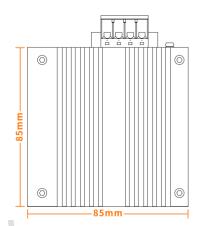


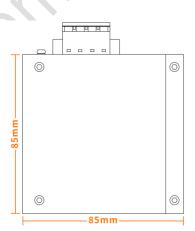


SFP Interface









Model No.	Description
	Industrial media converter, 2*10/100/1000Base-TX RJ45 port and 1*1000Base-X SFP slot,
LV-IMC0102G-SFP	DIN-Rail, 12-58VDC, -40°C to 75°C operating temperature(Fiber port transmission distance
	depending on the SFP module)
	Industrial media converter,2*10/100/1000Base-TX RJ45 port and 1*1000Base-FX SC
LV-IMC0102G-SC	port,Multi-mode/Singlemode/dual fiber/single fiber, 550m, 20/40/60/80/100/120Km are
	optional, DIN-Rail, 12-58VDC, -40 $^{\circ}\mathrm{C}$ to 75 $^{\circ}\mathrm{C}$ operating temperature
	Industrial media converter,2*10/100/1000Base-TX RJ45 port and 1*1000Base-FXFC
LV-IMC0102G-FC	port,Multi-mode/Singlemode/dual fiber/single fiber, 550m, 20/40/60/80/100/120Km are
	optional, DIN-Rail, 12-58VDC, -40 $^{\circ}\mathrm{C}$ to 75 $^{\circ}\mathrm{C}$ operating temperature
	Industrial media converter,2*10/100/1000Base-TX RJ45 port and 1*1000Base-FX ST
LV-IMC0102G-ST	port,Multi-mode/Singlemode/dual fiber/single fiber, 550m, 20/40/60/80/100/120Km are
	optional, DIN-Rail, 12-58VDC, -40 $^{\circ}$ C to 75 $^{\circ}$ C operating temperature



# LV-IMC0202G Series

2\*10/100/1000Base-TX to 2\*1000Base-X
Compact Size Industrial Media Converter

















#### **Features:**

- >2\*10/100/1000Base-TX RJ45 port, 2\*1000Base-XSFP slot.
- ➤12-58VDC input, redundant power supply with polarity reverse/over-voltage protection.
- Dip switch function: 1).LFP, 2). Flow control, 3). Broadcast storm restrain, 4). Fiber port 100/1000M selection.
- Support watchdog, it can reboot automatically if the device is frozen.
- Support 4kV surge protection, 15kV ESD(air) protection, 8kV contact protection.
- >IP40 fan-less aluminum alloy housing and DIN-Rail hardware design with compact size(30\*85\*85mm).
- ▶ Operating temperature: -40  $^{\circ}$ C to 75  $^{\circ}$ C.

#### **Overview:**

The Link VueLV-IMC0202Gis the unmanaged industrial grade media converter with 2-port 10/100/1000Base-TX RJ45 and 2-port 1000Base-XSFP slot. It is featuring with LFP, flow control, broadcast storm restrain and fiber port 100/1000M selection function, which all can be configured by the Dip switch on the top panel.

LV-IMC0202G series are also high cost-effective easy-to-use device, which provide essential industrial Ethernet networking function, such as wide range power input 12-58VDC, redundant power design with polarity reverse/over-voltage protection, robust IP40 fan-less compact size housing with DIN-Rail installation, wide operating temperature from -40°Go 75°Gs well as high-level EMI/EMC capability etc. They are the best choice for heavy industrial factory, transportation, oil & gas, chemical, IP Surveillance and processing automation area where environmental conditions exceed commercial product specifications.



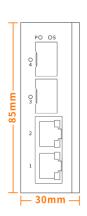
	Fiber port		(	Copper RJ45 ports	
Interface	2		2		
	2*10/100/1000Base-TXRJ45 port				
	2*1000Base-X SFP slot				
	IEEE 802.3 10Base-T Ethernet				
	IEEE 802.3u Fast Ethernet				
Standard	IEEE 802.3ab Gigabit Ethernet				
	IEEE 802.3x Full-Duplex Flow Control				
	IEEE 802.3az Energy Efficient	IEEE 802.3az Energy Efficient Ethernet			
	1). LFP				
Dip Switch	2). Flow control				
	3). Broadcast storm restrain				
	4). Fiber port 100/1000M sele	ection			
	P(Power indicator) Green	OLV: the device is power off or failed			
	( 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	On: the device power on is normal			
	C/C out on indicate a) Post	OLV: the chip is normal			
	S(System indicator) Red	On: the chip read/write is unnormal			
	1-2(Copper port)  3-4(Fiber port) Green	Green indic	ators	Yellow indicators	
LED Indicators		OLV: ports l	ink down	OLV: port speed is 10/100M	
		On: ports li	nk up	One want aread in 1000M	
		Blinking: da	ta on TX/RX	On: port speed is 1000M	
		OLV: ports link down			
		On: ports link up			
		Blinking: data on TX/RX			
	Power Para	ameters			
Input voltage	12-58VDC, redundant power	input			
Input current	0.3A Max				
Total power consumption	Full loading ≤3W				
Connector	Connector Removable 4-pin terminal block				
Reverse polarity protection	rotection Support				
Over-voltage protection	Support				
	Switching F	eatures			

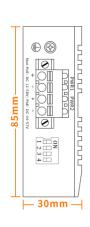


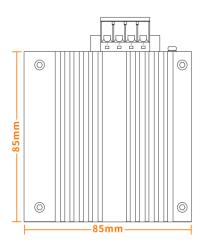
Switching capacity	8.0G
Packet forwarding rate	11.9 Mpps
MAC address table	8К
VLAN	4K
Buffer	1M
Forwarding delay	<10us
Jumbo frame	Support 10Kbytes
MDX/MIDX	Support
Watchdog	Support
	Network Topology
Star topology	Support
Bus topology	Support
Tree topology	Support
	Mechanical Structure
Case protection	IP40
Installation method	DIN-Rail
Dimension(W*D*H)mm	30*85*85mm
Weight	0.35 kg
	Operating temperature: -40°C to 75°C
Operating Environment	Storage temperature: -40°C to 85°C
	Relative humidity: 5% to 95%(non-condensing)
	Surge protection of power: IEC 61000-4-5Level 3(4kV/2kV, 8/20us)
	Surge protection of Ethernet ports: IEC 61000-4-5Level 3(4kV/2kV, 10/700us)
	DIP: IEC 61000-4-11Level 3(10V)
Industrial Standard	ESD: IEC 61000-4-2 Level 4(8kV/15kV)
	Shock: IEC 60068-2-27
	Free fall: IEC 60068-2-32
	Vibration: IEC 60068-2-6
Certification	CE, FCC, RoHS
Warranty	5 years

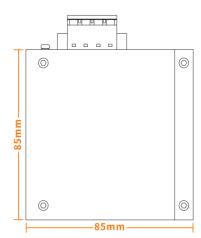
# **Structure Diagram:**











Model No.	Description
LV-IMC0202G-SFP	Industrial media converter, 2*10/100/1000Base-TX RJ45 port and 2*1000Base-X SFP slot, DIN-Rail, 12-58VDC, -40°C to 75°C operating temperature(Fiber port transmission distance depending on the SFP module)



# LV-IES0005F Series

5\*10/100Base-TX Unmanaged Industrial Ethernet Switch















#### **Features:**

- >5\*10/100Base-TX RJ45 port(No. 5 is the uplink port).
- ➤12-58VDC input, redundant power supply with polarity reverse/over-voltage protection.
- ➤ Dip switch function: 1). Port isolation, 2). Flow control, 3). QoS, 4). Broadcast storm restrain.
- >Support 10K bytes jumbo frame.
- Support 4kV surge protection, 15kV ESD(air) protection, 8kV contact protection.
- >IP40 fan-less aluminum alloy housing and DIN-Rail hardware design with compact size(30\*98\*130mm).
- ▶ Operating temperature: -40  $^{\circ}$ C to 75  $^{\circ}$ C.

#### **Overview:**

The Link VueLV-IES0005F is the unmanaged industrial grade Ethernet switch with 5-port 10/100Base-TX RJ45. It is featuring with port isolation, flow control, QoS and broadcast storm restrain function, which all can be configured by the Dip switch on the top panel.

LV-IES0005F is also a high cost-effective easy-to-use device, which provides essential industrial Ethernet networking function, such as wide range power input 12-58VDC, redundant power design with polarity reverse/over-voltage protection, robust IP40 fan-less housing with DIN-Rail installation, wide operating temperature from -40°C to 75°C as well as high-level EMI/EMC capability etc. It is the best choice for heavy industrial factory, transportation, oil & gas, chemical, IP Surveillance and processing automation area where environmental conditions exceed commercial product specifications.



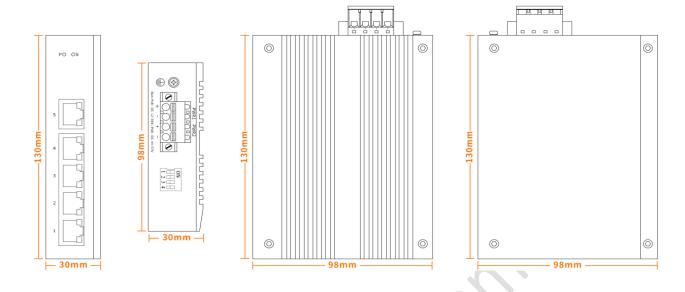
	Fiber port	:	Copper RJ45 ports	
Interface	0		5	
	5*10/100Base-TX RJ45 port(No.5 is the uplink port)			
	IEEE 802.3 10Base-T Ethernet			
o	IEEE 802.3u Fast Ethernet			
Standard	IEEE 802.3x Full-Duplex Flow Control			
	IEEE 802.3az Energy Efficie	ent Ethernet		
	1). Port isolation			
D. C. 11.	2). Flow control			
Dip Switch	3). QoS			
	4). Broadcast storm restrain			
	D/Dawar indicator) Croop	OLV: the device is power off or failed		
	P(Power indicator) Green	On: the device power on is normal		
	S(System indicator) Red	OLV: the chip is normal		
LED Indicators		On: the chip read/write is unnormal		
LED IIIdicators	1-5(Copper ports)	Green indicators		Yellow indicators
		OLV: ports link de	own	OLV: port speed is 10M
		On: ports link up		On: port speed is 100M
		Blinking: data on	TX/RX	On. port speed is 100ivi
	Power P	arameters		
Input voltage	12-58VDC, redundant power input			
Input current	0.5A Max			
Total power consumption	Full loading ≤4W			
Connector	Removable 4-pin terminal block			
Reverse polarity protection	Support			
Over-voltage protection	Support			
Switching Features				
Switching capacity	apacity 1.0G			



Packet forwarding rate	1.48 Mpps
MAC address table	2K
VLAN	2K
Buffer	2M
Forwarding delay	<10us
Jumbo frame	Support 10Kbytes
MDX/MIDX	Support
Watchdog	Support
	Network Topology
Star topology	Support
Bus topology	Support
Tree topology	Support
	Mechanical Structure
Case protection	IP40
Installation method	DIN-Rail
Dimension(W*D*H)mm	30*98*130mm
Weight	0.55 kg
Operating Environment	Operating temperature: -40°Co 75°C  Storage temperature: -40°Co 85°C  Relative humidity: 5% to 95%(non-condensing)
Industrial Standard	Surge protection of power: IEC 61000-4-5Level 3(4kV/2kV, 8/20us)  Surge protection of Ethernet ports: IEC 61000-4-5Level 3(4kV/2kV, 10/700us)  DIP: IEC 61000-4-11Level 3(10V)  ESD: IEC 61000-4-2 Level 4(8kV/15kV)  Shock: IEC 60068-2-27  Free fall: IEC 60068-2-32  Vibration: IEC 60068-2-6
Certification	CE, FCC, RoHS
Warranty	5 years



### **Structure Diagram:**



Model No.	Description
LV-IES0005F	Unmanaged industrial Ethernet switch, 5*10/100Base-TX RJ45 port, DIN-Rail, 12-58VDC, -40 $^{\circ}$ C to 75 $^{\circ}$ C operating temperature



# LV-IES0008F **Series**

8\*10/100Base-TX Unmanaged Industrial **Ethernet Switch** 













#### **Features:**

- ≥8\*10/100Base-TX RJ45 port.
- ▶12-58VDC input, redundant power supply with polarity reverse/over-voltage protection.
- Dip switch function: 1). Port isolation, 2). Flow control, 3). QoS, 4). Broadcast storm restrain.
- Support 10K bytes jumbo frame.
- ➤ Support 4kV surge protection, 15kV ESD(air) protection, 8kV contact protection.
- >IP40 fan-less aluminum alloy housing and DIN-Rail hardware design with compact size(48\*98\*98mm).
- $\triangleright$  Operating temperature: -40  $^{\circ}$ C to 75  $^{\circ}$ C.

#### **Overview:**

The Link VueLV-IES0008F is the unmanaged industrial grade Ethernet switch with 8-port 10/100Base-TX RJ45. It is featuring with port isolation, flow control, QoS and broadcast storm restrain function, which all can be configured by the Dip switch on the top panel.

LV-IES0008F is also a high cost-effective easy-to-use device, which provides essential industrial Ethernet networking function, such as wide range power input 12-58VDC, redundant power design with polarity reverse/over-voltage protection, robust IP40 fan-less housing with DIN-Rail installation, wide operating temperature from -40°C to 75°C as well as high-level EMI/EMC capability etc. It is the best choice for heavy industrial factory, transportation, oil & gas, chemical, IP Surveillance and processing automation area where environmental conditions exceed commercial product specifications.



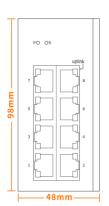
	Fiber port	:	Copper RJ45 ports	
Interface	0		8	
	8*10/100Base-TX RJ45 port			
	IEEE 802.3 10Base-T Ethernet			
	IEEE 802.3u Fast Ethernet			
Standard	IEEE 802.3x Full-Duplex Flow Control			
	IEEE 802.3az Energy Efficie	ent Ethernet		
	1). Port isolation			
Die Gwitch	2). Flow control			
Dip Switch	3). QoS			
	4). Broadcast storm restrai	in		
	D/Dower indicator) Green	OLV: the device i	s power o	ff or failed
	P(Power indicator) Green	On: the device power on is normal		
	S(System indicator) Red	OLV: the chip is normal		
LED Indicators		On: the chip read/write is unnormal		
LED Mulcators	1-8(Copper ports)	Green indicators		Yellow indicators
		OLV: ports link do	own	OLV: port speed is 10M
		On: ports link up		On: port speed is 100M
		Blinking: data on	TX/RX	on port speed is 100m
	Power P	arameters		
Input voltage	12-58VDC, redundant power input			
Input current	0.5A Max			
Total power consumption	Full loading ≤4W			
Connector	Removable 4-pin terminal block			
Reverse polarity protection	Support			
Over-voltage protection Support				
	Switchin	g Features		
Switching capacity	1.6G			

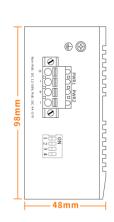


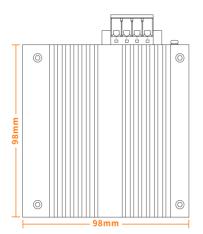
Packet forwarding rate	2.38 Mpps			
MAC address table	2K			
VLAN	2K			
Buffer	2M			
Forwarding delay	<10us			
Jumbo frame	Support 10Kbytes			
MDX/MIDX	Support			
Watchdog	Support			
	Network Topology			
Star topology	Support			
Bus topology	Support			
Tree topology	Support			
	Mechanical Structure			
Case protection	IP40			
Installation method	DIN-Rail			
Dimension (W*D*H) mm	48*98*98mm			
Weight	0.6 kg			
	Operating temperature: -40°Co 75°C			
Operating Environment	Storage temperature: -40°Co 85°C			
	Relative humidity: 5% to 95%(non-condensing)			
	Surge protection of power: IEC 61000-4-5Level 3(4kV/2kV, 8/20us)			
	Surge protection of Ethernet ports: IEC 61000-4-5Level 3(4kV/2kV, 10/700us)			
	DIP: IEC 61000-4-11Level 3(10V)			
Industrial Standard	ESD: IEC 61000-4-2 Level 4(8kV/15kV)			
	Shock: IEC 60068-2-27			
	Free fall: IEC 60068-2-32			
	Vibration: IEC 60068-2-6			
Certification	CE, FCC, RoHS			
Warranty	5 years			

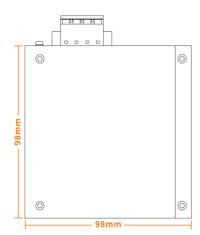


### **Structure Diagram:**









Model No.	Description
LV-IES0008F	Unmanaged industrial Ethernet switch, 8*10/100Base-TX RJ45 port, DIN-Rail, 12-58VDC, -40 $^{\circ}$ to 75 $^{\circ}$ operating temperature



# LV-IES0016F Series

# 16\*10/100Base-TX Unmanaged Industrial Ethernet Switch













#### **Features:**

- ≥16\*10/100Base-TX RJ45 port.
- ➤12-58VDC input, redundant power supply with polarity reverse/over-voltage protection.
- Support one output relay alarm(terminal block Pin 5/6) for DC power failure.
- Support powerful Dip switch function: 1).Port isolation, 2). Flow control, 3). QoS, 4).Broadcast storm restrain.
- Support 10K bytes jumbo frame.
- >Support 6kV surge protection, 15kV ESD(air) protection, 8kV contact protection.
- > IP40 fan-less aluminum alloy housing and DIN-Rail hardware design.
- ▶ Operating temperature: -40  $^{\circ}$ C to 75  $^{\circ}$ C.

#### **Overview:**

The Link VueLV-IES0016F is the highly reliable unmanaged industrial grade Ethernet switch with 16-port 10/100Base-TX RJ45. It is featuring with port isolation, flow control, QoS and broadcast storm restrain function, which all can be configured by the Dip switch on the top panel.

LV-IES0016F is also a high cost-effective easy-to-use device, which provides essential industrial Ethernet networking function, such as wide range power input 12-58VDC, redundant power design with polarity reverse/over-voltage protection, robust IP40 fan-less housing with DIN-Rail installation, wide operating temperature from -40  $^{\circ}$ C to 75  $^{\circ}$ C as well as high-level EMI/EMC capability etc. It is the best choice for heavy industrial factory, transportation, oil & gas, chemical, IP Surveillance and processing automation area where environmental conditions exceed commercial product specifications.



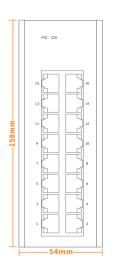
				0 0145		
	Fiber port		Copper RJ45 ports			
Interface	0		16			
	16*10/100Base-TX RJ45 port					
Alarm Port	One relay output for power failure. Alarm relay current carry ability: 1A@24VDC					
	IEEE 802.3 10Base-T Ethernet					
Standard	IEEE 802.3u Fast Ethernet					
	IEEE 802.3x Full-Duplex Flow Control					
	IEEE 802.3az Energy Efficient Ethernet					
	1). Port isolation					
Dip Switch	2). Flow control					
	3). QoS					
	4). Broadcast storm restrain					
	P(Power indicator) Green	OLV: the device is power off or failed				
		On: the device power on is normal				
	S(System indicator) Red	OLV: the chip is normal				
		On: the chip read/write is unnormal				
LED Indicators	1-16(Copper ports)	Green indicators		Yellow indicators		
		OLV: ports link do	wn	OLV: port speed is 10M		
		On: ports link up		0		
		Blinking: data on 1	ΓX/RX	On: port speed is 100M		
Power Parameters						
Input voltage 12-58VDC, redundant power input						
Input current 0.6A Max						
Total power consumption	on Full loading ≤8W					
Connector Removable 6-pin terminal block, Pin 5-6 for relay alarm output				n output		
Reverse polarity protection Support						
Over-voltage protection Support						
Over-current protection	Support					
Switching Features						
Switching capacity	3.2G					
	l					

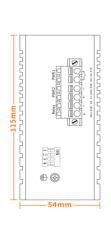


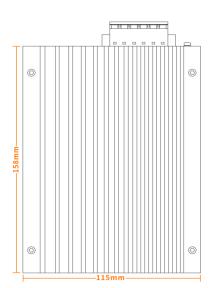
_	
Packet forwarding rate	4.76 Mpps
MAC address table	8K
VLAN	4K
Buffer	2M
Forwarding delay	<10us
Jumbo frame	Support 10Kbytes
MDX/MIDX	Support
Watchdog	Support
	Network Topology
Star topology	Support
Bus topology	Support
Tree topology	Support
	Mechanical Structure
Case protection	IP40
Installation method	DIN-Rail
Dimension(W*D*H)mm	54*115*158mm
Weight	1.35 kg
	Operating temperature: -40°C to 75°C
Operating Environment	Storage temperature: -40°C to 85°C
(	Relative humidity: 5% to 95%(non-condensing)
	EMI: FCC Part 15B Class A
·	Surge protection of power: IEC 61000-4-56KV/4KV(8/20us)
	Surge protection of Ethernet ports: IEC 61000-4-56KV/2KV(10/700us)
	RS: IEC 61000-4-3 80 MHz-1 GHz: 10V/m
	EFT: IEC 61000-4-4, power interface: 4kV, Ethernet ports: 2kV
Industrial Standard	CS: IEC 61000-4-6 10V
	ESD: IEC 61000-4-2 Level 4(8kV/15kV)
	Shock: IEC 60068-2-27
	Free fall: IEC 60068-2-32
	Vibration: IEC 60068-2-6
Certification	CE, FCC, RoHS
Warranty	5 years
	-

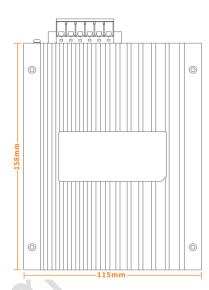


### **Structure Diagram:**









Model No.	Description
LV-IES0016F	Unmanaged industrial Ethernet switch, 16*10/100Base-TX RJ45 port, DIN-Rail, 12-58VDC, -40 $^{\circ}$ C to 75 $^{\circ}$ C operating temperature



# LV-IES0104F Series

4\*10/100Base-TX to 1\*100Base-FX
Unmanaged Industrial Ethernet Switch













#### **Features:**

- >4\*10/100Base-TX RJ45 port, 1\*100Base-FXSC/SFP(FC or ST is optional) fiber port.
- ➤12-58VDC input, redundant power supply with polarity reverse/over-voltage protection.
- ➤ Dip switch function: 1). Port isolation, 2). Flow control, 3). QoS, 4). Broadcast storm restrain.
- ➤ Support 9Kbytes jumbo frame.
- Support 4kV surge protection, 15kV ESD(air) protection, 8kV contact protection.
- >IP40 fan-less aluminum alloy housing and DIN-Rail hardware design with compact size(30\*98\*130mm).
- ▶ Operating temperature: -40  $^{\circ}$ C to 75  $^{\circ}$ C.

#### **Overview:**

The Link VueLV-IES0104F is the unmanaged industrial grade Ethernet switch with 4-port 10/100Base-TX RJ45 and 1-port 100Base-FXSC/SFP(FC or ST is optional) fiber optical interface. It is featuring with port isolation, flow control, QoS and broadcast storm restrain function, which all can be configured by the Dip switch on the top panel.

LV-IES0104F is also a high cost-effective easy-to-use device, which provides essential industrial Ethernet networking function, such as wide range power input 12-58VDC, redundant power design with polarity reverse/over-voltage protection, robust IP40 fan-less housing with DIN-Rail installation, wide operating temperature from -40°C to 75°C as well as high-level EMI/EMC capability etc. It is the best choice for heavy industrial factory, transportation, oil & gas, chemical, IP Surveillance and processing automation area where environmental conditions exceed commercial product specifications.



	Fiber port		C	Copper RJ45 ports	
Interface	1		4		
interface	4*10/100Base-TXRJ45 port				
	1*100Base-FX SC/SFP(FC or ST is optional) fiber port				
	IEEE 802.310Base-TEthernet				
Standard	IEEE 802.3u Fast Ethernet				
Standard	IEEE 802.3x Full-Duplex Flow (	Control			
	IEEE 802.3az Energy Efficient Ethernet				
	1). Port isolation				
Dip Switch	2). Flow control				
	3). QoS	3). QoS			
	4). Broadcast storm restrain	<u> </u>		)	
	P(Power indicator) Green	OLV: the dev	ice is power	off or failed	
	r(rower malcator) dreen	On: the devi	ce power on	is normal	
	S(System indicator) Red	OLV: the chip	is normal		
	S(System Indicator) Red	On: the chip read/write is unnormal			
		Green indica	tors	Yellow indicators	
LED Indicators	1-4(Copper port)	OLV: ports lir	nk down	OLV: port speed is 10M	
		On: ports lin	k up	0	
		Blinking: data	a on TX/RX	On: port speed is 100M	
		OLV: ports link down			
	5(Fiber port) Green	On: ports link up			
		Blinking: data on TX/RX			
	Power Para	meters			
Input voltage	12-58VDC, redundant power i	nput			
Input current	0.5A Max				
Total power consumption	Full loading ≤3W				
Connector	Removable 4-pin terminal block				
Reverse polarity protection	Support				
Over-voltage protection Support					
Switching Features					

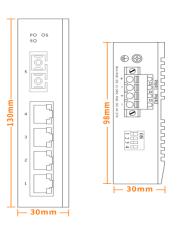


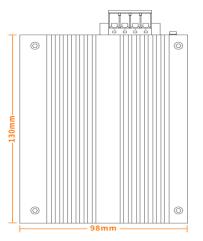
Switching capacity	1.0G
Packet forwarding rate	1.48 Mpps
MAC address table	2K
VLAN	2K
Buffer	2M
Forwarding delay	<10us
Jumbo frame	Support 10Kbytes
MDX/MIDX	Support
Watchdog	Support
	Network Topology
Star topology	Support
Bus topology	Support
Tree topology	Support
	Mechanical Structure
Case protection	IP40
Installation method	DIN-Rail
Dimension(W*D*H)mm	30*98*130mm
Weight	0.55 kg
Operating Environment	Operating temperature: -40°Cto 75°C  Storage temperature: -40°C to85°C  Relative humidity: 5% to 95%(non-condensing)
Industrial Standard	Surge protection of power: IEC 61000-4-5Level 3(4kV/2kV, 8/20us)  Surge protection of Ethernet ports: IEC 61000-4-5Level 3(4kV/2kV, 10/700us)  DIP: IEC 61000-4-11Level 3(10V)  ESD: IEC 61000-4-2 Level 4(8kV/15kV)  Shock: IEC 60068-2-27  Free fall: IEC 60068-2-32  Vibration: IEC 60068-2-6
Certification	CE, FCC, RoHS
Warranty	5 years

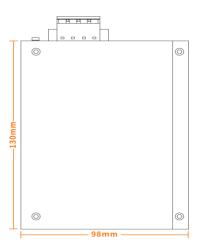
# **Structure Diagram:**



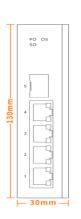
# SC/FC/ST Interface

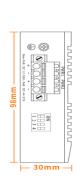


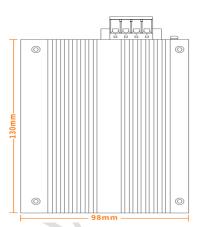


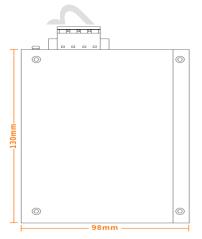


### SFP Interface









Model No.	Description
	Unmanaged industrial Ethernet switch, 4*10/100Base-TX RJ45 port and 1*100Base-X SFP slot,
LV-IES0104F-SFP	DIN-Rail, 12-58VDC, -40 $^{\circ}$ C to 75 $^{\circ}$ C operating temperature(Fiber port transmission distance
	depending on the SFP module)
	Unmanaged industrial Ethernet switch,4*10/100Base-TX RJ45 port and 1*100Base-FX SC port,
LV-IES0104F-SC	Multi-mode/Singlemode/dual fiber/single fiber, 2Km, 20/40/60/80/100/120Km are optional,
	DIN-Rail, 12-58VDC, -40 $^{\circ}$ C to 75 $^{\circ}$ C operating temperature
	Unmanaged industrial Ethernet switch,4*10/100Base-TX RJ45 port and 1*100Base-FX FC port,
LV-IES0104F-FC	Multi-mode/Singlemode/dual fiber/single fiber, 2Km, 20/40/60/80/100/120Km are optional,
	DIN-Rail, 12-58VDC, -40 $^{\circ}$ C to 75 $^{\circ}$ C operating temperature
	Unmanaged industrial Ethernet switch,4*10/100Base-TX RJ45 port and 1*100Base-FX ST port,
LV-IES0104F-ST	Multi-mode/Singlemode/dual fiber/single fiber, 2Km, 20/40/60/80/100/120Km are optional,
	DIN-Rail, 12-58VDC, -40 $^{\circ}\mathrm{C}$ to 75 $^{\circ}\mathrm{C}$ operating temperature



# LV-IES0108F Series

8\*10/100Base-TX to 1\*100Base-FX
Unmanaged Industrial Ethernet Switch













#### **Features:**

- >8\*10/100Base-TX RJ45 port, 1\*100Base-FXSC/SFP(FC or ST is optional) fiber port.
- ➤ 12-58VDC input, redundant power supply with polarity reverse/over-voltage protection.
- ➤ Dip switch function: 1). Port isolation, 2). Flow control, 3). QoS, 4). Broadcast storm restrain.
- ➤ Support 9Kbytes jumbo frame.
- Support 4kV surge protection, 15kV ESD(air) protection, 8kV contact protection.
- >IP40 fan-less aluminum alloy housing and DIN-Rail hardware design.
- ▶ Operating temperature: -40  $^{\circ}$ C to 75  $^{\circ}$ C.

#### **Overview:**

The Link VueLV-IES0108F is the unmanaged industrial grade Ethernet switch with 8-port 10/100Base-TX RJ45 and 1-port 100Base-FXSC/SFP(FC or ST is optional) fiber optical interface. It is featuring with port isolation, flow control, QoS and broadcast storm restrain function, which all can be configured by the Dip switch on the top panel.

LV-IES0108F is also a high cost-effective easy-to-use device, which provides essential industrial Ethernet networking function, such as wide range power input 12-58VDC, redundant power design with polarity reverse/over-voltage protection, robust IP40 fan-less housing with DIN-Rail installation, wide operating temperature from -40°C to 75°C as well as high-level EMI/EMC capability etc. It is the best choice for heavy industrial factory, transportation, oil & gas, chemical, IP Surveillance and processing automation area where environmental conditions exceed commercial product specifications.



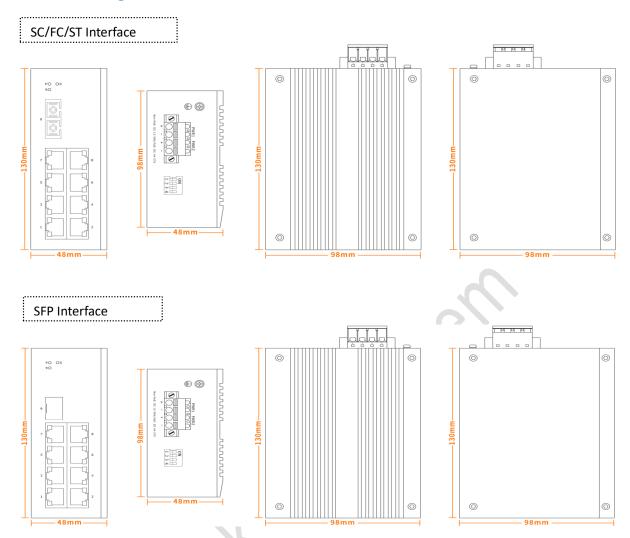
	Fiber port		C	Copper RJ45 ports	
Interface	1		8		
interrace	8*10/100Base-TXRJ45 port				
	1*100Base-FX SC/SFP(FC or ST is optional) fiber port				
	IEEE 802.310Base-TEthernet				
Standard	IEEE 802.3u Fast Ethernet				
Standard	IEEE 802.3x Full-Duplex Flow (	Control			
	IEEE 802.3az Energy Efficient Ethernet				
	1). Port isolation				
Dip Switch	2). Flow control				
	3). QoS				
	4). Broadcast storm restrain	<u> </u>		>	
	P(Power indicator) Green	OLV: the de	vice is power	off or failed	
	P(Power indicator) Green	On: the dev	ice power on	is normal	
	S/System indicator) Pod	OLV: the chi	p is normal		
	S(System indicator) Red	On: the chip read/write is unnormal			
		Green indic	ators	Yellow indicators	
LED Indicators	1-8(Copper port)	OLV: ports l	ink down	OLV: port speed is 10M	
		On: ports lir	nk up		
		Blinking: da	ta on TX/RX	On: port speed is 100M	
		OLV: ports link down			
	9(Fiber port) Green	On: ports link up			
		Blinking: data on TX/RX			
	Power Para	meters			
Input voltage	12-58VDC, redundant power i	nput			
Input current	0.5A Max				
Total power consumption	Full loading ≤5W				
Connector	Removable 4-pin terminal block				
Reverse polarity protection	Support				
Over-voltage protection Support					
Switching Features					



Switching capacity	1.8G				
Packet forwarding rate	2.67 Mpps				
MAC address table	2K				
VLAN	2K				
Buffer	2M				
Forwarding delay	<10us				
Jumbo frame	Support 9Kbytes				
MDX/MIDX	Support				
Watchdog	Support				
	Network Topology				
Star topology	Support				
Bus topology	Support				
Tree topology	Support				
	Mechanical Structure				
Case protection	IP40				
Installation method	DIN-Rail				
Dimension(W*D*H)mm	48*98*130mm				
Weight	0.7 kg				
	Operating temperature: -40°C to 75°C				
Operating Environment	Storage temperature: -40°C to 85°C				
	Relative humidity: 5% to 95%(non-condensing)				
	Surge protection of power: IEC 61000-4-5Level 3(4kV/2kV, 8/20us)				
	Surge protection of Ethernet ports: IEC 61000-4-5Level 3(4kV/2kV, 10/700us)				
	DIP: IEC 61000-4-11Level 3(10V)				
Industrial Standard	ESD: IEC 61000-4-2 Level 4(8kV/15kV)				
	Shock: IEC 60068-2-27				
	Free fall: IEC 60068-2-32				
	Vibration: IEC 60068-2-6				
Certification	CE, FCC, RoHS				
Warranty	5 years				



### **Structure Diagram:**



Model No.	Description
	Unmanaged industrial Ethernet switch, 8*10/100Base-TX RJ45 port and 1*100Base-X SFP slot,
LV-IES0108F-SFP	DIN-Rail, 12-58VDC, -40°C to 75°C operating temperature(Fiber port transmission distance
	depending on the SFP module)
	Unmanaged industrial Ethernet switch,8*10/100Base-TX RJ45 port and 1*100Base-FX SC port,
LV-IES0108F-SC	Multi-mode/Singlemode/dual fiber/single fiber, 2Km, 20/40/60/80/100/120Km are optional,
	DIN-Rail, 12-58VDC, -40 $^\circ$ C to 75 $^\circ$ C operating temperature
	Unmanaged industrial Ethernet switch,8*10/100Base-TX RJ45 port and 1*100Base-FX FC port,
LV-IES0108F-FC	Multi-mode/Singlemode/dual fiber/single fiber, 2Km, 20/40/60/80/100/120Km are optional,
	DIN-Rail, 12-58VDC, -40 $^\circ$ C to 75 $^\circ$ C operating temperature
	Unmanaged industrial Ethernet switch,8*10/100Base-TX RJ45 port and 1*100Base-FX ST port,
LV-IES0108F-ST	Multi-mode/Singlemode/dual fiber/single fiber, 2Km, 20/40/60/80/100/120Km are optional,
	DIN-Rail, 12-58VDC, -40 $^{\circ}$ C to 75 $^{\circ}$ C operating temperature



# LV-IES0204F Series

4\*10/100Base-TX to 2\*100Base-FX
Unmanaged Industrial Ethernet Switch













#### **Features:**

- ➤ 4\*10/100Base-TX RJ45 port, 2\*100Base-FXSC/SFP(FC or ST is optional) fiber port.
- ➤ 12-58VDC input, redundant power supply with polarity reverse/over-voltage protection.
- ➤ Dip switch function: 1). Port isolation, 2). Flow control, 3). QoS, 4). Broadcast storm restrain.
- ➤ Support 9Kbytes jumbo frame.
- Support 4kV surge protection, 15kV ESD(air) protection, 8kV contact protection.
- >IP40 fan-less aluminum alloy housing and DIN-Rail hardware design with compact size(48\*98\*98mm).
- $\triangleright$  Operating temperature: -40  $^{\circ}$ C to 75  $^{\circ}$ C.

#### **Overview:**

The Link VueLV-IES0204F is the unmanaged industrial grade Ethernet switch with 4-port 10/100Base-TX RJ45 and 2-port 100Base-FXSC/SFP(FC or ST is optional) fiber optical interface. It is featuring with port isolation, flow control, QoS and broadcast storm restrain function, which all can be configured by the Dip switch on the top panel.

LV-IES0204F is also a high cost-effective easy-to-use device, which provides essential industrial Ethernet networking function, such as wide range power input 12-58VDC, redundant power design with polarity reverse/over-voltage protection, robust IP40 fan-less housing with DIN-Rail installation, wide operating temperature from -40°C to 75°C as well as high-level EMI/EMC capability etc. It is the best choice for heavy industrial factory, transportation, oil & gas, chemical, IP Surveillance and processing automation area where environmental conditions exceed commercial product specifications.



	Fiber port		C	Copper RJ45 ports	
tuto f	2		4		
Interface	4*10/100Base-TXRJ45 port		·		
	2*100Base-FXSC/SFP(FC or ST is optional) fiber port				
	IEEE 802.310Base-TEthernet				
Chandand	IEEE 802.3u Fast Ethernet				
Standard	IEEE 802.3x Full-Duplex Flow (	Control			
	IEEE 802.3az Energy Efficient E	Ethernet			
	1). Port isolation				
Dip Switch	2). Flow control				
Dip Switch	3). QoS				
	4). Broadcast storm restrain	T		·	
	D/Dower indicator) Cross	OLV: the de	OLV: the device is power off or failed		
	P(Power indicator) Green	On: the dev	vice power on	is normal	
	C(Contains in disease) Dod	OLV: the ch	ip is normal		
	S(System indicator) Red	On: the chip read/write is unnormal			
	1-4(Copper port)	Green indic	ators	Yellow indicators	
LED Indicators		OLV: ports I	ink down	OLV: port speed is 10M	
		On: ports li	nk up		
		Blinking: da	nta on TX/RX	On: port speed is 100M	
		OLV: ports I	ink down		
	5-6(Fiber port) Green	On: ports link up			
		Blinking: data on TX/RX			
	Power Para	meters			
Input voltage	12-58VDC, redundant power i	nput			
Input current	0.5A Max				
Total power consumption	Full loading ≤5W				
Connector	Removable 4-pin terminal block				
Reverse polarity protection	Support				
Over-voltage protection Support					
Switching Features					

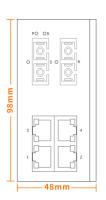


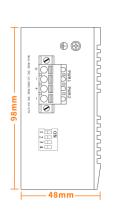
Switching capacity	1.2G				
Packet forwarding rate	1.78 Mpps				
MAC address table	2K				
VLAN	2K				
Buffer	2M				
Forwarding delay	<10us				
Jumbo frame	Support 9Kbytes				
MDX/MIDX	Support				
Watchdog	Support				
	Network Topology				
Star topology	Support				
Bus topology	Support				
Tree topology	Support				
	Mechanical Structure				
Case protection	IP40				
Installation method	DIN-Rail				
Dimension(W*D*H)mm	48*98*98mm				
Weight	0.6 kg				
	Operating temperature: -40°C to 75°C				
Operating Environment	Storage temperature: -40°C to 85°C				
	Relative humidity: 5% to 95%(non-condensing)				
	Surge protection of power: IEC 61000-4-5Level 3(4kV/2kV, 8/20us)				
	Surge protection of Ethernet ports: IEC 61000-4-5Level 3(4kV/2kV, 10/700us)				
	DIP: IEC 61000-4-11Level 3(10V)				
Industrial Standard	ESD: IEC 61000-4-2 Level 4(8kV/15kV)				
	Shock: IEC 60068-2-27				
	Free fall: IEC 60068-2-32				
	Vibration: IEC 60068-2-6				
Certification	CE, FCC, RoHS				
Warranty	5 years				

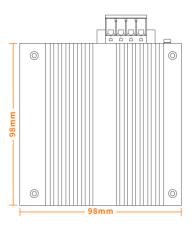
### **Structure Diagram:**

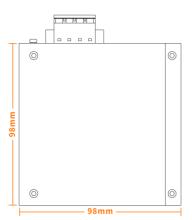
SC/FC/ST Interface





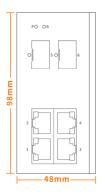


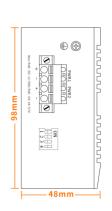


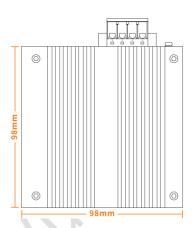


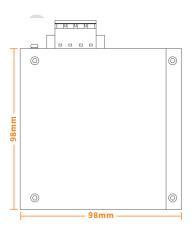
#### SFP Interface

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Model No.	Description
	Unmanaged industrial Ethernet switch, 4*10/100Base-TX RJ45 port and 2*100Base-X SFP slot,
LV-IES0204F-SFP	DIN-Rail, 12-58VDC, -40° C to 75° C operating temperature(Fiber port transmission distance
	depending on the SFP module)
	Unmanaged industrial Ethernet switch,4*10/100Base-TX RJ45 port and 2*100Base-FX SC port,
LV-IES0204F-SC	Multi-mode/Singlemode/dual fiber/single fiber, 2Km, 20/40/60/80/100/120Km are optio nal,
	DIN-Rail, 12-58VDC, -40° C to 75° C operating temperature
	Unmanaged industrial Ethernet switch,4*10/100Base-TX RJ45 port and 2*100Base-FXFC port,
LV-IES0204F-FC	Multi-mode/Singlemode/dual fiber/single fiber, 2Km, 20/40/60/80/100/120Km are optional,
	DIN-Rail, 12-58VDC, -40° C to 75° C operating temperature
	Unmanaged industrial Ethernet switch,4*10/100Base-TX RJ45 port and 2*100Base-FX ST port,
LV-IES0204F-ST	Multi-mode/Singlemode/dual fiber/single fiber, 2Km, 20/40/60/80/100/120Km are optional,
	DIN-Rail, 12-58VDC, -40° C to 75° C operating temperature



# LV-IES0206F Series

6\*10/100Base-TX to 2\*100Base-FX
Unmanaged Industrial Ethernet Switch













#### **Features:**

- >6\*10/100Base-TX RJ45 port, 2\*100Base-FXSC/SFP(FC or ST is optional) fiber port.
- ➤12-58VDC input, redundant power supply with polarity reverse/over-voltage protection.
- ➤ Dip switch function: 1). Port isolation, 2). Flow control, 3). QoS, 4). Broadcast storm restrain.
- Support 9Kbytes jumbo frame.
- Support 4kV surge protection, 15kV ESD(air) protection, 8kV contact protection.
- >IP40 fan-less aluminum alloy housing and DIN-Rail hardware design with compact size(48\*98\*98mm).
- ▶ Operating temperature: -40  $^{\circ}$ C to 75  $^{\circ}$ C.

#### **Overview:**

The Link VueLV-IES0206F is the unmanaged industrial grade Ethernet switch with 6-port 10/100Base-TX RJ45 and 2-port 100Base-FXSC/SFP(FC or ST is optional) fiber optical interface. It is featuring with port isolation, flow control, QoS and broadcast storm restrain function, which all can be configured by the Dip switch on the top panel.

LV-IES0206F is also a high cost-effective easy-to-use device, which provides essential industrial Ethernet networking function, such as wide range power input 12-58VDC, redundant power design with polarity reverse/over-voltage protection, robust IP40 fan-less housing with DIN-Rail installation, wide operating temperature from -40°C to 75°C as well as high-level EMI/EMC capability etc. It is the best choice for heavy industrial factory, transportation, oil & gas, chemical, IP Surveillance and processing automation area where environmental conditions exceed commercial product specifications.



	Fiber port		(	Copper RJ45 ports		
Interface	2		6			
	6*10/100Base-TXRJ45 port					
	2*100Base-FXSC/SFP(FC or ST	2*100Base-FXSC/SFP(FC or ST is optional) fiber port				
	IEEE 802.310Base-TEthernet					
Standard	IEEE 802.3u Fast Ethernet					
Standard	IEEE 802.3x Full-Duplex Flow Control					
	IEEE 802.3az Energy Efficient I	Ethernet				
	1). Port isolation					
Dip Switch	2). Flow control					
Dip Switch	3). QoS					
	4). Broadcast storm restrain			•		
	D(Dower indicator) Croon	OLV: the de	vice is power	off or failed		
	P(Power indicator) Green	On: the dev	rice power on	is normal		
	S(System indicator) Red	OLV: the chip is normal				
		On: the chip read/write is unnormal				
	1-6(Copper port)	Green indic	ators	Yellow indicators		
LED Indicators		OLV: ports I	ink down	OLV: port speed is 10M		
		On: ports li	nk up	One part around is 100M		
		Blinking: da	ta on TX/RX	On: port speed is 100M		
		OLV: ports link down				
	7-8(Fiber port) Green	On: ports link up				
		Blinking: data on TX/RX				
	Power Para	meters				
Input voltage	12-58VDC, redundant power input					
Input current	0.5A Max					
Total power consumption	Full loading ≤5W					
Connector	Removable 4-pin terminal block					
Reverse polarity protection	Support					
Over-voltage protection	Support					

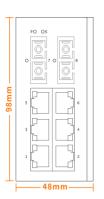


Switching Features					
Switching capacity	1.6G				
Packet forwarding rate	2.38 Mpps				
MAC address table	2K				
VLAN	2K				
Buffer	2M				
Forwarding delay	<10us				
Jumbo frame	Support 9Kbytes				
MDX/MIDX	Support				
Watchdog	Support				
	Network Topology				
Star topology	Support				
Bus topology	Support				
Tree topology	Support				
	Mechanical Structure				
Case protection	IP40				
Installation method	DIN-Rail				
Dimension(W*D*H)mm	48*98*98mm				
Weight	0.6 kg				
	Operating temperature: -40°C to 75°C				
Operating Environment	Storage temperature: -40°C to 85°C				
	Relative humidity: 5% to 95%(non-condensing)				
	Surge protection of power: IEC 61000-4-5Level 3(4kV/2kV, 8/20us)				
	Surge protection of Ethernet ports: IEC 61000-4-5Level 3(4kV/2kV, 10/700us)				
	DIP: IEC 61000-4-11Level 3(10V)				
Industrial Standard	ESD: IEC 61000-4-2 Level 4(8kV/15kV)				
	Shock: IEC 60068-2-27				
	Free fall: IEC 60068-2-32				
	Vibration: IEC 60068-2-6				
Certification	CE, FCC, RoHS				
Warranty	5 years				

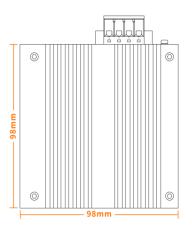


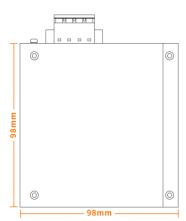
### **Structure Diagram:**

#### SC/FC/ST Interface

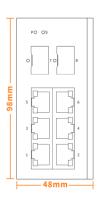


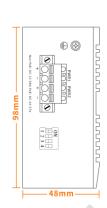


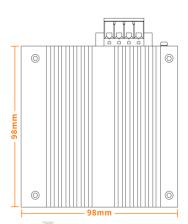


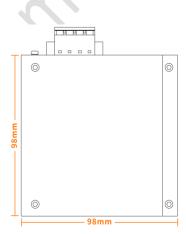


#### SFP Interface









Model No.	Description			
	Unmanaged industrial Ethernet switch, 6*10/100Base-TX RJ45 port and 2*100Base-X SFP slot,			
LV-IES0206F-SFP	DIN-Rail, 12-58VDC, -40° C to 75° C operating temperature(Fiber port transmission distance			
	depending on the SFP module)			
	Unmanaged industrial Ethernet switch,6*10/100Base-TX RJ45 port and 2*100Base-FX SC port,			
LV-IES0206F-SC	Multi-mode/Singlemode/dual fiber/single fiber, 2Km, 20/40/60/80/100/120Km are optional,			
	DIN-Rail, 12-58VDC, -40° C to 75° C operating temperature			
	Unmanaged industrial Ethernet switch,6*10/100Base-TX RJ45 port and 2*100Base-FXFC			
LV-IES0206F-FC	port ,Multi-mode/Singlemode/dual fiber/single fiber, 2Km, 20/40/60/80/100/120Km are			
	optional, DIN-Rail, 12-58VDC, -40° C to 75° C operating temperature			
	Unmanaged industrial Ethernet switch,6*10/100Base-TX RJ45 port and 2*100Base-FX ST port,			
LV-IES0206F-ST	Multi-mode/Singlemode/dual fiber/single fiber, 2Km, 20/40/60/80/100/120Km are optional,			
	DIN-Rail, 12-58VDC, -40° C to 75° C operating temperature			



# LV-IES0005G Series

# 5\*10/100/1000Base-TX Unmanaged Industrial Ethernet Switch



















#### **Features:**

- ➤5\*10/100/1000Base-TX RJ45 port(No. 5 is the uplink port).
- ➤ 12-58VDC input, redundant power supply with polarity reverse/over-voltage protection.
- ➤ Dip switch function: 1). Port isolation, 2). Flow control, 3). QoS, 4). Broadcast storm restrain.
- ➤ Support 10K bytes jumbo frame.
- Support 4kV surge protection, 15kV ESD(air) protection, 8kV contact protection.
- >IP40 fan-less aluminum alloy housing and DIN-Rail hardware design with compact size(30\*98\*130mm).
- $\triangleright$  Operating temperature: -40 °C to 75 °C.

#### **Overview:**

The Link VueLV-IES0005Gis the unmanaged industrial grade Ethernet switch with 5-port 10/100/1000Base-TX RJ45. It is featuring with port isolation, flow control, QoS and broadcast storm restrain function, which all can be configured by the Dip switch on the top panel.

LV-IES0005G is also a high cost-effective easy-to-use device, which provides essential industrial Ethernet networking function, such as wide range power input 12-58VDC, redundant power design with polarity reverse/over-voltage protection, robust IP40 fan-less housing with DIN-Rail installation, wide operating temperature from -40°C to 75°C as well as high-level EMI/EMC capability etc. It is the best choice for heavy industrial factory, transportation, oil & gas, chemical, IP Surveillance and processing automation area where environmental conditions exceed commercial product specifications.



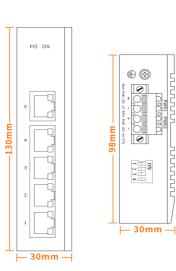
		1			
	Fiber port		Copper RJ45 ports		
Interface	0		5		
	5*10/100/1000Base-TX RJ	5*10/100/1000Base-TX RJ45 port(No.5 is the uplink port)			
	IEEE 802.310Base-TEthernet				
	IEEE 802.3u Fast Ethernet				
Standard	IEEE 802.3ab Gigabit Ethernet				
	IEEE 802.3x Full-Duplex Flow Control				
	IEEE 802.3az Energy Efficie	ent Ethernet			
	1). Port isolation				
Dip Switch	2). Flow control				
	3). QoS		3		
	4). Broadcast storm restrai	in	0)		
	P(Power indicator) Green	OLV: the device is	s power o	off or failed	
	T (Tower maleator) dreem	On: the device power on is normal			
		OLV: the chip is normal			
.==	S(System indicator) Red	On: the chip read/write is unnormal			
LED Indicators	1-5(Copper ports)	Green indicators		Yellow indicators	
		OLV: ports link do	own	OLV: port speed is 10/100M	
		On: ports link up		On a set a see d in 4000M	
		Blinking: data on	TX/RX	On: port speed is 1000M	
	Power P	arameters			
Input voltage	12-58VDC, redundant pow	er input			
Input current	0.5A Max				
Total power consumption	Full loading ≤5W				
Connector	Removable 4-pin terminal block				
Reverse polarity protection	Support				
Over-voltage protection	voltage protection Support				
Switching Features					
Switching capacity	10G				
Packet forwarding rate 14.8 Mpps					

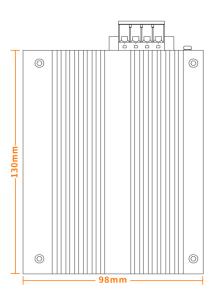


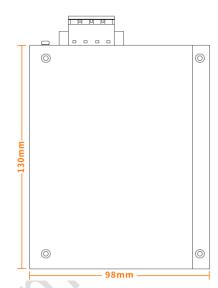
MAC address table	2K		
VLAN	4K		
Buffer	3M		
Forwarding delay	<10us		
Jumbo frame	Support 10Kbytes		
MDX/MIDX	Support		
Watchdog	Support		
	Network Topology		
Star topology	Support		
Bus topology	Support		
Tree topology	Support		
	Mechanical Structure		
Case protection	IP40		
Installation method	DIN-Rail		
Dimension(W*D*H)mm	30*98*130mm		
Weight	0.55 kg		
	Operating temperature: -40°C 75°C		
Operating Environment	Storage temperature: -40° Go 85° C		
	Relative humidity: 5% to 95%(non-condensing)		
	Surge protection of power: IEC 61000-4-5Level 3(4kV/2kV, 8/20us)		
	Surge protection of Ethernet ports: IEC 61000-4-5Level 3(4kV/2kV, 10/700us)		
	DIP: IEC 61000-4-11Level 3(10V)		
Industrial Standard	ESD: IEC 61000-4-2 Level 4(8kV/15kV)		
	Shock: IEC 60068-2-27		
	Free fall: IEC 60068-2-32		
	Vibration: IEC 60068-2-6		
Certification	CE, FCC, RoHS		
Warranty	5 years		



### **Structure Diagram:**







Model No.	Description		
LV-IES0005G	Unmanaged industrial Ethernet switch, 5*10/100/1000Base-TX RJ45 port, DIN-Rail, 12-58VDC, -40 to 75° C operating temperature		



# LV-IES0008G Series

8\*10/100/1000Base-TX Unmanaged
Industrial Ethernet Switch



#### **Features:**

- ≥8\*10/100/1000Base-TX RJ45 port.
- >12-58VDC input, redundant power supply with polarity reverse/over-voltage protection.
- ➤ Dip switch function: 1). Port isolation, 2). Flow control, 3). QoS, 4). Broadcast storm restrain.
- Support 10K bytes jumbo frame.
- Support 4kV surge protection, 15kV ESD(air) protection, 8kV contact protection.
- ➤ IP40 fan-less aluminum alloy housing and DIN-Rail hardware design with compact size(48\*98\*98mm).
- ▶ Operating temperature: -40  $^{\circ}$ C to 75  $^{\circ}$ C.

#### **Overview:**

The Link VueLV-IES0008Gis the unmanaged industrial grade Ethernet switch with 8-port 10/100/1000Base-TX RJ45. It is featuring with port isolation, flow control, QoS and broadcast storm restrain function, which all can be configured by the Dip switch on the top panel.

LV-IES0008G is also a high cost-effective easy-to-use device, which provides essential industrial Ethernet networking function, such as wide range power input 12-58VDC, redundant power design with polarity reverse/over-voltage protection, robust IP40 fan-less housing with DIN-Rail installation, wide operating temperature from -40°C to 75°C as well as high-level EMI/EMC capability etc. It is the best choice for heavy industrial factory, transportation, oil & gas, chemical, IP Surveillance and processing automation area where environmental conditions exceed commercial product specifications.



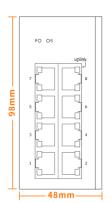
	Fiber port	t		Copper RJ45 ports	
Interface	0		8		
	8*10/100/1000Base-TX RJ	8*10/100/1000Base-TX RJ45 port			
	IEEE 802.310Base-TEthernet				
	IEEE 802.3u Fast Ethernet				
Standard	IEEE 802.3ab Gigabit Ether	net			
Standard					
	IEEE 802.3x Full-Duplex Flo				
	IEEE 802.3az Energy Efficie	ent Ethernet			
	Port isolation     Solution     Port isolation     Solution		4		
Dip Switch	3). QoS				
	4). Broadcast storm restrai	in			
	D/Dawar indicator) Cross	OLV: the device is power off or failed		ff or failed	
	P(Power indicator) Green	On: the device power on is normal			
	S(System indicator) Red	OLV: the chip is normal			
		On: the chip read/write is unnormal			
LED Indicators		Green indicators		Yellow indicators	
		OLV: ports link do	own	OLV: port speed is 10/100M	
	1-8(Copper ports)	On: ports link up			
		Blinking: data on	TX/RX	On: port speed is 1000M	
	Power P	arameters		1	
Input voltage	12-58VDC, redundant pow	er input			
Input current	0.6A Max				
Total power consumption					
Connector	Removable 4-pin terminal block				
Reverse polarity protection	Support				
Over-voltage protection	otection Support				
Switching Features					
Switching capacity	16G				

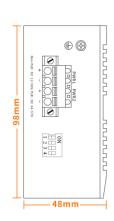


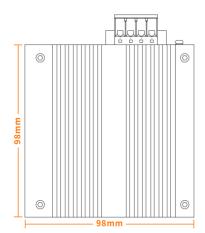
	T		
Packet forwarding rate	23.8 Mpps		
MAC address table	16K		
VLAN	4K		
Buffer	2M		
Forwarding delay	<10us		
Jumbo frame	Support 10Kbytes		
MDX/MIDX	Support		
Watchdog	Support		
	Network Topology		
Star topology	Support		
Bus topology	Support		
Tree topology	Support		
	Mechanical Structure		
Case protection	IP40		
Installation method	DIN-Rail		
Dimension(W*D*H)mm	48*98*98mm		
Weight	0.6 kg		
	Operating temperature: -40°Co 75°C		
Operating Environment	Storage temperature: -40°Go 85°C		
	Relative humidity: 5% to 95%(non-condensing)		
	Surge protection of power: IEC 61000-4-5Level 3(4kV/2kV, 8/20us)		
	Surge protection of Ethernet ports: IEC 61000-4-5Level 3(4kV/2kV, 10/700us)		
	DIP: IEC 61000-4-11Level 3(10V)		
Industrial Standard	ESD: IEC 61000-4-2 Level 4(8kV/15kV)		
	Shock: IEC 60068-2-27		
	Free fall: IEC 60068-2-32		
	Vibration: IEC 60068-2-6		
Certification	CE, FCC, RoHS		
Warranty	5 years		
	ı		

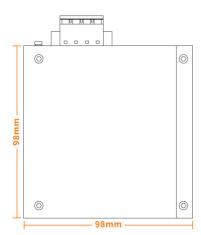


### **Structure Diagram:**









Model No.	Description
LV-IES0008G	Unmanaged industrial Ethernet switch, 8*10/100/1000Base-TX RJ45 port, DIN-Rail, 12-58VDC, -40 to 75° C operating temperature



# LV-IES0016G Series

16\*10/100/1000Base-TX Unmanaged Industrial Ethernet Switch



















#### **Features:**

- ≥16\*10/100/1000Base-TX RJ45 port.
- ➤12-58VDC input, redundant power supply with polarity reverse/over-voltage protection.
- Support one output relay alarm(terminal block Pin 5/6) for DC power failure.
- Support powerful Dip switch function: 1).Port isolation, 2). Flow control, 3). QoS, 4).Broadcast storm restrain.
- Support 10K bytes jumbo frame.
- >Support 6kV surge protection, 15kV ESD(air) protection, 8kV contact protection.
- > IP40 fan-less aluminum alloy housing and DIN-Rail hardware design.
- ▶ Operating temperature: -40  $^{\circ}$ C to 75  $^{\circ}$ C.

#### **Overview:**

The Link VueLV-IES0016Gis the highly reliable unmanaged industrial grade Ethernet switch with 16-port 10/100/1000Base-TX RJ45. It is featuring with port isolation, flow control, QoS and broadcast storm restrain function, which all can be configured by the Dip switch on the top panel.

LV-IES0016G is also a high cost-effective easy-to-use device, which provides essential industrial Ethernet networking function, such as wide range power input 12-58VDC, redundant power design with polarity reverse/over-voltage protection, robust IP40 fan-less housing with DIN-Rail installation, wide operating temperature from -40  $^{\circ}$ C to 75  $^{\circ}$ C as well as high-level EMI/EMC capability etc. It is the best choice for heavy industrial factory, transportation, oil & gas, chemical, IP Surveillance and processing automation area where environmental conditions exceed commercial product specifications.



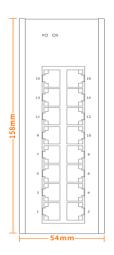
	Fiber port	t		Copper RJ45 ports	
Interface	0		16		
	16*10/100/1000Base-TX RJ45 port				
Alarm Port	One relay output for power	er failure. Alarm rel	ay curren	nt carry ability: 1A@24VDC	
	IEEE 802.310Base-TEthernet				
	IEEE 802.3u Fast Ethernet				
Standard	IEEE 802.3ab Gigabit Ethernet				
	IEEE 802.3x Full-Duplex Flow Control				
	IEEE 802.3az Energy Efficie	ent Ethernet			
	1). Port isolation				
Dip Switch	2). Flow control 3). QoS				
	4). Broadcast storm restrai	in			
		OLV: the device is	s power c	off or failed	
	P(Power indicator) Green	On: the device power on is normal			
	S(System indicator) Red	OLV: the chip is normal			
		On: the chip read/write is unnormal			
LED Indicators	115/5	Green indicators		Yellow indicators	
		OLV: ports link do	own	OLV: port speed is 10/100M	
	1-16(Copper ports)	On: ports link up		On: port speed is 1000M	
		Blinking: data on	TX/RX	On. port speed is 1000ivi	
	Power P	Parameters			
Input voltage	12-58VDC, redundant pow	ver input			
Input current	0.6A Max				
Total power consumption	Full loading ≤8W				
Connector	Removable 6-pin terminal block, Pin 5-6 for relay alarm output				
Reverse polarity protection	Support				
Over-voltage protection	Support				
Over-current protection	Support				
	Switchin	ng Features			
Switching capacity	32G				

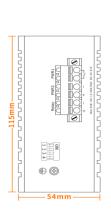


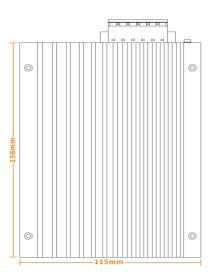
Dacket forwarding rate	47.6 Mans		
Packet forwarding rate	47.6 Mpps		
MAC address table	8K		
VLAN	4K		
Buffer	2M		
Forwarding delay	<10us		
Jumbo frame	Support 10Kbytes		
MDX/MIDX	Support		
Watchdog	Support		
	Network Topology		
Star topology	Support		
Bus topology	Support		
Tree topology	Support		
	Mechanical Structure		
Case protection	IP40		
Installation method	DIN-Rail		
Dimension(W*D*H)mm	54*115*158mm		
Weight	1.35 kg		
	Operating temperature: -40°C to 75°C		
Operating Environment	Storage temperature: -40°C to 85°C		
	Relative humidity: 5% to 95%(non-condensing)		
	EMI: FCC Part 15B Class A		
	Surge protection of power: IEC 61000-4-56kV/4kV(8/20us)		
	Surge protection of Ethernet ports: IEC 61000-4-56kV/2kV(10/700us)		
	RS: IEC 61000-4-3 80 MHz-1 GHz: 10V/m		
Industrial Standard	EFT: IEC 61000-4-4, power interface: 4kV, Ethernet ports: 2kV		
maustriai Standard	CS: IEC 61000-4-6 10V		
	ESD: IEC 61000-4-2Level 4(8kV/15kV)		
	Shock: IEC 60068-2-27		
	Free fall: IEC 60068-2-32		
	Vibration: IEC 60068-2-6		
Certification	CE, FCC, RoHS		
Warranty	5 years		

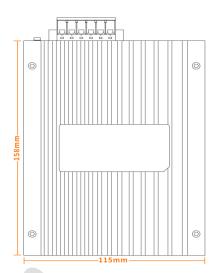


### **Structure Diagram:**









Model N	lo.	Description		
LV-IES001	l6G	Unmanaged industrial Ethernet switch, 16*10/100/1000Base-TX RJ45 port, DIN-Rail, 12-58VDC, -40 to 75° C operating temperature		



# LV-IES0104G Series

4\*10/100/1000Base-TX to 1\*1000Base-FX Unmanaged Industrial Ethernet Switch



#### **Features:**

- ▶4\*10/100/1000Base-TX RJ45 port,
- 1\*1000Base-FXSC/SFP(FC or ST is optional) fiber port.
- ➤12-58VDC input, redundant power supply with polarity reverse/over-voltage protection.
- Dip switch function: 1). Port isolation, 2). Flow control, 3). QoS, 4). Broadcast storm restrain.
- Support 10Kbytes jumbo frame.
- Support 4kV surge protection, 15kV ESD(air) protection, 8kV contact protection.
- ➤ IP40 fan-less aluminum alloy housing and DIN-Rail hardware design with compact size(30\*98\*130mm).
- ▶ Operating temperature: -40  $^{\circ}$ C to 75  $^{\circ}$ C.

#### **Overview:**

The Link VueLV-IES0104G is the unmanaged industrial grade Ethernet switch with 4-port 10/100/1000Base-TX RJ45 and 1-port 1000Base-FXSC/SFP(FC or ST is optional) fiber optical interface. It is featuring with port isolation, flow control, QoS and broadcast storm restrain function, which all can be configured by the Dip switch on the top panel.

LV-IES0104G is also a high cost-effective easy-to-use device, which provides essential industrial Ethernet networking function, such as wide range power input 12-58VDC, redundant power design with polarity reverse/over-voltage protection, robust IP40 fan-less housing with DIN-Rail installation, wide operating temperature from -40°C to 75°C as well as high-level EMI/EMC capability etc. It is the best choice for heavy industrial factory, transportation, oil & gas, chemical, IP Surveillance and processing automation area where environmental conditions exceed commercial product specifications.



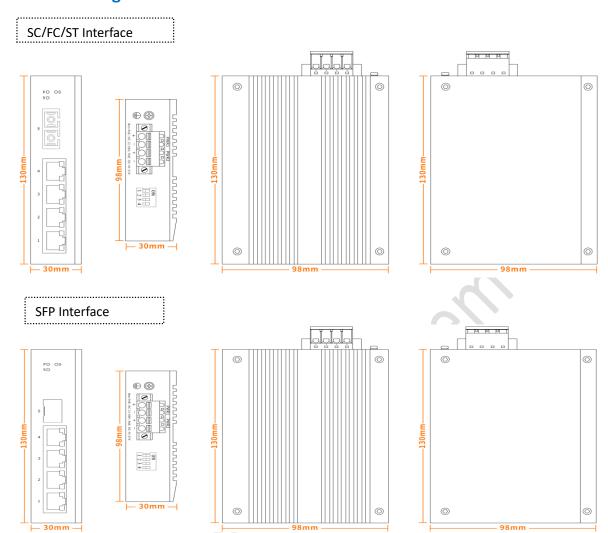
	Fiber port		Copper RJ45 ports		
Interface	1		4		
meriace	4*10/100/1000Base-TXRJ45 port				
	1*1000Base-FX SC/SFP(FC or	ST is optiona	l) fiber port		
	IEEE 802.3 10Base-T Ethernet				
	IEEE 802.3u Fast Ethernet				
Standard	IEEE 802.3ab Gigabit Ethernet				
	IEEE 802.3x Full-Duplex Flow	Control			
	IEEE 802.3az Energy Efficient	Ethernet			
	1). Port isolation				
Dip Switch	2). Flow control		7		
	3). QoS				
	4). Broadcast storm restrain	004 11 61		· · · · · · · · · · · · · · · · · · ·	
	P(Power indicator) Green	OLV: the de	vice is power	off or failed	
		On: the device power on is normal			
	S(System indicator) Red	OLV: the chip is normal			
		On: the chip read/write is unnormal			
	1-4(Copper port)	Green indic	ators	Yellow indicators	
LED Indicators		OLV: ports l	ink down	OLV: port speed is 10/100M	
		On: ports li	nk up	On: port speed is 1000M	
		Blinking: da	ita on TX/RX	On. port speed is 1000ivi	
		OLV: ports link down			
	5(Fiber port) Green	On: ports link up			
		Blinking: data on TX/RX			
	Power Para	ameters			
Input voltage	12-58VDC, redundant power	input			
Input current	0.5A Max				
Total power consumption	Full loading ≤5W				
Connector	Removable 4-pin terminal block				
Reverse polarity protection	n Support				
Over-voltage protection	n Support				



Switching Features					
Switching capacity	10G				
Packet forwarding rate	14.8 Mpps				
MAC address table	2K				
VLAN	4K				
Buffer	3M				
Forwarding delay	<10us				
Jumbo frame	Support 10Kbytes				
MDX/MIDX	Support				
Watchdog	Support				
Network Topology					
Star topology	Support				
Bus topology	Support				
Tree topology	Support				
Mechanical Structure					
Case protection	IP40				
Installation method	DIN-Rail				
Dimension(W*D*H)mm	30*98*130mm				
Weight	0.55 kg				
Operating Environment	Operating temperature: -40°C to 75°C				
	Storage temperature: -40°C to 85°C				
	Relative humidity: 5% to 95%(non-condensing)				
Industrial Standard	Surge protection of power: IEC 61000-4-5Level 3(4kV/2kV, 8/20us)				
	Surge protection of Ethernet ports: IEC 61000-4-5Level 3(4kV/2kV, 10/700us)				
	DIP: IEC 61000-4-11Level 3(10V)				
	ESD: IEC 61000-4-2 Level 4(8kV/15kV)				
	Shock: IEC 60068-2-27				
	Free fall: IEC 60068-2-32				
	Vibration: IEC 60068-2-6				
Certification	CE, FCC, RoHS				
Warranty	5 years				



### **Structure Diagram:**



Model No.	Description
	Unmanaged industrial Ethernet switch, 4*10/100/1000Base-TX RJ45 port and 1*1000Base-X
LV-IES0104G-SFP	SFP slot, DIN-Rail, 12-58VDC, -40°C to 75°C operating temperature(Fiber port transmission
	distance depending on the SFP module)
LV-IES0104G-SC	Unmanaged industrial Ethernet switch,4*10/100/1000Base-TX RJ45 port and 1*1000Base-FX
	SC port, Multi-mode/Singlemode/dual fiber/single fiber, 550m, 20/40/60/80/100/120Km are
	optional, DIN-Rail, 12-58VDC, -40 $^{\circ}\mathrm{C}$ to 75 $^{\circ}\mathrm{C}$ operating temperature
LV-IES0104G-FC	Unmanaged industrial Ethernet switch,4*10/100/1000Base-TX RJ45 port and 1*1000Base-FX
	FC port, Multi-mode/Singlemode/dual fiber/single fiber, 550m, 20/40/60/80/100/120Km are
	optional, DIN-Rail, 12-58VDC, -40℃ to 75℃ operating temperature
LV-IES0104G-ST	Unmanaged industrial Ethernet switch,4*10/100/1000Base-TX RJ45 port and 1*1000Base-FX
	ST port, Multi-mode/Singlemode/dual fiber/single fiber, 550m, 20/40/60/80/100/120Km are
	optional, DIN-Rail, 12-58VDC, -40℃ to 75℃ operating temperature



# LV-IES0105G Series

4\*10/100/1000Base-TX to 1\*1000Base-X and 1\*10/100/1000Base-TX Industrial Ethernet Switch



#### **Features:**

- >4\*10/100/1000Base-TX RJ45 port, 1\*1000Base-X SFP slot and 1\*10/100/1000Base-TX RJ45 port.
- ➤12-58VDC input, redundant power supply with polarity reverse/over-voltage protection.
- ➤ Dip switch function: 1). Port isolation, 2). Flow control, 3). QoS, 4). Broadcast storm restrain.
- ➤ Support 10Kbytes jumbo frame.
- Support 4kV surge protection, 15kV ESD(air) protection, 8kV contact protection.
- ➤ IP40 fan-less aluminum alloy housing and DIN-Rail hardware design with compact size(30\*98\*130mm).
- ▶ Operating temperature: -40  $^{\circ}$ C to 75  $^{\circ}$ C.

#### **Overview:**

The Link Vue LV-IES0105G is the unmanaged industrial grade Ethernet switch with 4-port 10/100/1000Base-TX RJ45, 1-port 1000Base-XSFP slot and 1-port 10/100/1000Base-TX RJ45. It is featuring with port isolation, flow control, QoS and broadcast storm restrain function, which all can be configured by the Dip switch on the top panel.

LV-IES0105G is also a high cost-effective easy-to-use device, which provides essential industrial Ethernet networking function, such as wide range power input 12-58VDC, redundant power design with polarity reverse/over-voltage protection, robust IP40 fan-less housing with DIN-Rail installation, wide operating temperature from -40°C to 75°C as well as high-level EMI/EMC capability etc. It is the best choice for heavy industrial factory, transportation, oil & gas, chemical, IP Surveillance and processing automation area where environmental conditions exceed commercial product specifications.



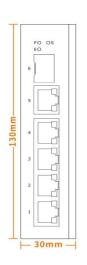
		1		1			
Interface	Fiber port		Copper RJ45 ports				
	1		5				
	4*10/100/1000Base-TXRJ45 port						
	1*1000Base-X SFP slot and 1*10/100/1000Base-TXRJ45 port						
Standard	IEEE 802.3 10Base-T Ethernet						
	IEEE 802.3u Fast Ethernet						
	IEEE 802.3ab Gigabit Ethernet						
	IEEE 802.3x Full-Duplex Flow Control						
	IEEE 802.3az Energy Efficient Ethernet						
Dip Switch	1). Port isolation						
	2). Flow control						
	<ul><li>3). QoS</li><li>4). Broadcast storm restrain</li></ul>						
	4). Broadcast storm restrain	OLV: the device is power off or failed					
	P(Power indicator) Green						
		On: the device power on is normal					
	S(System indicator) Red	OLV: the chip is normal					
LED Indicators		On: the chip read/write is unnormal					
	1-5(Copper port)	Green indic	ators	Yellow indicators			
		OLV: ports li	ink down	OLV: port speed is 10/100M			
		On: ports lir	nk up	On: port speed is 1000M			
		Blinking: da	ta on TX/RX				
		OLV: ports link down					
	6(Fiber port) Green	On: ports link up					
		Blinking: data on TX/RX					
Power Parameters							
Input voltage	12-58VDC, redundant power input						
Input current	0.5A Max						
Total power consumption	Full loading ≤5W						
Connector	Removable 4-pin terminal block						
Reverse polarity protection	Support						
Over-voltage protection Support							

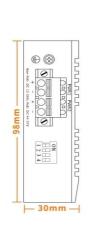


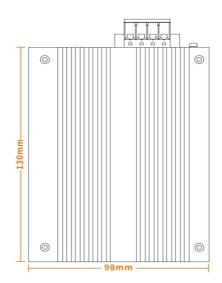
Switching Features				
Switching capacity	12G			
Packet forwarding rate	17.8 Mpps			
MAC address table	2K			
VLAN	4K			
Buffer	3M			
Forwarding delay	<10us			
Jumbo frame	Support 10Kbytes			
MDX/MIDX	Support			
Watchdog	Support			
	Network Topology			
Star topology	Support			
Bus topology	Support			
Tree topology	Support			
	Mechanical Structure			
Case protection	IP40			
Installation method	DIN-Rail			
Dimension(W*D*H)mm	30*98*130mm			
Weight 0.55 kg				
	Operating temperature: -40°C to 75°C			
Operating Environment	Storage temperature: -40°C to 85°C			
	Relative humidity: 5% to 95%(non-condensing)			
	Surge protection of power: IEC 61000-4-5Level 3(4kV/2kV, 8/20us)			
	Surge protection of Ethernet ports: IEC 61000-4-5Level 3(4kV/2kV, 10/700us)			
	DIP: IEC 61000-4-11Level 3(10V)			
Industrial Standard	ESD: IEC 61000-4-2 Level 4(8kV/15kV)			
	Shock: IEC 60068-2-27			
	Free fall: IEC 60068-2-32			
	Vibration: IEC 60068-2-6			
Certification	CE, FCC, RoHS			
Warranty	5 years			

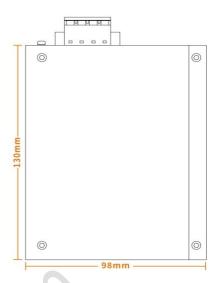


### **Structure Diagram:**









Model No.	Description		
LV-IES0105G-SFP	Unmanaged industrial Ethernet switch, 4*10/100/1000Base-TX RJ45 port,1*1000Base-X SFP slot and 1*10/100/1000Base-TX RJ45 port, DIN-Rail, 12-58VDC, -40°C to 75°C operating temperature(Fiber port transmission distance depending on the SFP module)		



## LV-IES0108G Series

8\*10/100/1000Base-TX to 1\*1000Base-FX Unmanaged Industrial Ethernet Switch















#### **Features:**

- >8\*10/100/1000Base-TX RJ45 port,
- 1\*1000Base-FXSC/SFP(FC or ST is optional) fiber port.
- ➤12-58VDC input, redundant power supply with polarity reverse/over-voltage protection.
- ➤ Dip switch function: 1). Port isolation, 2). Flow control, 3). QoS, 4). Broadcast storm restrain.
- >Support 10Kbytes jumbo frame.
- Support 4kV surge protection, 15kV ESD(air) protection, 8kV contact protection.
- >IP40 fan-less aluminum alloy housing and DIN-Rail hardware design.
- $\triangleright$ Operating temperature: -40°C to 75°C.

#### **Overview:**

The Link VueLV-IES0108G is the unmanaged industrial grade Ethernet switch with 8-port 10/100/1000Base-TX RJ45 and 1-port 1000Base-FX SC/SFP(FC or ST is optional) fiber optical interface. It is featuring with port isolation, flow control, QoS and broadcast storm restrain function, which all can be configured by the Dip switch on the top panel.

LV-IES0108G is also a high cost-effective easy-to-use device, which provides essential industrial Ethernet networking function, such as wide range power input 12-58VDC, redundant power design with polarity reverse/over-voltage protection, robust IP40 fan-less housing with DIN-Rail installation, wide operating temperature from -40°C to 75°C as well as high-level EMI/EMC capability etc. It is the best choice for heavy industrial factory, transportation, oil & gas, chemical, IP Surveillance and processing automation area where environmental conditions exceed commercial product specifications.



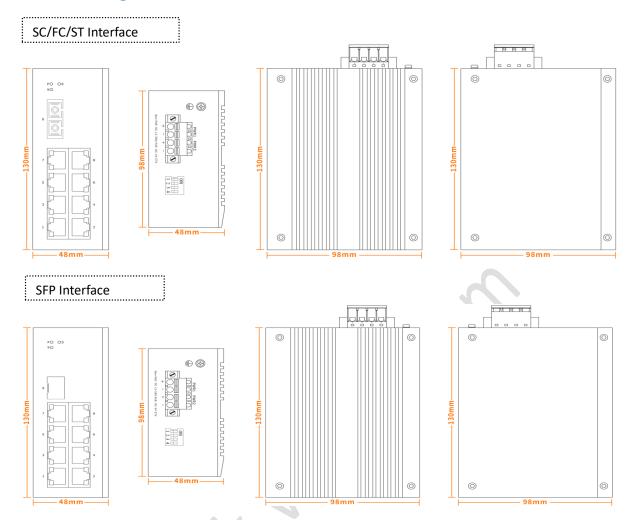
	Fiber port			Copper RJ45 ports
	·			
Interface	1			8
	8*10/100/1000Base-TXRJ45			
	1*1000Base-FX SC/SFP(FC or ST is optional) fiber port			
	IEEE 802.3 10Base-T Ethernet			
Standard	IEEE 802.3u Fast Ethernet			
Standard	IEEE 802.3ab Gigabit Ethernet			
	IEEE 802.3x Full-Duplex Flow IEEE 802.3az Energy Efficient			
	1). Port isolation	Luiemet		
	2). Flow control			
Dip Switch	3). QoS			
	4). Broadcast storm restrain	<b>~</b>		
		OLV: the dev	ice is power	off or failed
	P(Power indicator) Green	On: the device power on is normal		
	S(System indicator) Red	OLV: the chip is normal		
		On: the chip read/write is unnormal		
	1-8(Copper port)	Green indica	tors	Yellow indicators
LED Indicators		OLV: ports lin	nk down	OLV: port speed is 10/100M
		On: ports linl	k up	On: port speed is 1000M
		Blinking: data	a on TX/RX	On. port speed is 1000ivi
		OLV: ports link down		
	9(Fiber port) Green	On: ports link up		
		Blinking: data on TX/RX		
	Power Para	ameters		
Input voltage	12-58VDC, redundant power input			
Input current	0.5A Max			
Total power consumption	Full loading ≤6.5W			
Connector	Removable 4-pin terminal block			
Reverse polarity protection	Support			
Over-voltage protection	Support			



Switching Features				
Switching capacity	18G			
Packet forwarding rate	26.7 Mpps			
MAC address table	8K			
VLAN	4K			
Buffer	2M			
Forwarding delay	<10us			
Jumbo frame	Support 10Kbytes			
MDX/MIDX	Support			
Watchdog	Support			
	Network Topology			
Star topology	Support			
Bus topology	Support			
Tree topology	Support			
	Mechanical Structure			
Case protection	IP40			
Installation method	DIN-Rail			
Dimension(W*D*H)mm	48*98*130mm			
Weight 0.7 kg				
	Operating temperature: -40°Go 75°C			
Operating Environment	Storage temperature: -40°Co 85°C			
	Relative humidity: 5% to 95%(non-condensing)			
	Surge protection of power: IEC 61000-4-5Level 3(4kV/2kV, 8/20us)			
	Surge protection of Ethernet ports: IEC 61000-4-5Level 3(4kV/2kV, 10/700us)			
	DIP: IEC 61000-4-11Level 3(10V)			
Industrial Standard	ESD: IEC 61000-4-2 Level 4(8kV/15kV)			
	Shock: IEC 60068-2-27			
	Free fall: IEC 60068-2-32			
	Vibration: IEC 60068-2-6			
Certification	CE, FCC, RoHS			
Warranty	5 years			



#### **Structure Diagram:**



Model No.	Description
	Unmanaged industrial Ethernet switch, 8*10/100/1000Base-TX RJ45 port and 1*1000Base-X
LV-IES0108G-SFP	SFP slot, DIN-Rail, 12-58VDC, -40℃ to 75℃operating temperature(Fiber port transmission
	distance depending on the SFP module)
	Unmanaged industrial Ethernet switch,8*10/100/1000Base-TX RJ45 port and 1*1000Base-FX
LV-IES0108G-SC	SC port, Multi-mode/Singlemode/dual fiber/single fiber, 550m, 20/40/60/80/100/120Km are
	optional, DIN-Rail, 12-58VDC, -40 $^{\circ}\mathrm{C}$ to 75 $^{\circ}\mathrm{C}$ operating temperature
	Unmanaged industrial Ethernet switch,8*10/100/1000Base-TX RJ45 port and 1*1000Base-FX
LV-IES0108G-FC	FC port, Multi-mode/Singlemode/dual fiber/single fiber, 550m, 20/40/60/80/100/120Km are
	optional, DIN-Rail, 12-58VDC, -40 $^{\circ}\mathrm{C}$ to 75 $^{\circ}\mathrm{C}$ operating temperature
	Unmanaged industrial Ethernet switch,8*10/100/1000Base-TX RJ45 port and 1*1000Base-FX
LV-IES0108G-ST	ST port, Multi-mode/Singlemode/dual fiber/single fiber, 550m, 20/40/60/80/100/120Km are
	optional, DIN-Rail, 12-58VDC, -40 $^{\circ}\mathrm{C}$ to 75 $^{\circ}\mathrm{C}$ operating temperature



## LV-IES0204G Series

4\*10/100/1000Base-TX to 2\*1000Base-X
Unmanaged Industrial Ethernet Switch



















#### **Features:**

- >4\*10/100/1000Base-TX RJ45 port, 2\*1000Base-XSFP slot.
- ➤12-58VDC input, redundant power supply with polarity reverse/over-voltage protection.
- ➤ Dip switch function: 1). Port isolation, 2). Flow control, 3). QoS, 4). Broadcast storm restrain.
- Support 10Kbytes jumbo frame.
- Support 4kV surge protection, 15kV ESD(air) protection, 8kV contact protection.
- >IP40 fan-less aluminum alloy housing and DIN-Rail hardware design with compact size(30\*98\*130mm).
- ▶ Operating temperature: -40  $^{\circ}$ C to 75  $^{\circ}$ C.

#### **Overview:**

The Link VueLV-IES0204G is the unmanaged industrial grade Ethernet switch with 4-port 10/100/1000Base-TX RJ45 and 2-port 1000Base-XSFP slot. It is featuring with port isolation, flow control, QoS and broadcast storm restrain function, which all can be configured by the Dip switch on the top panel.

LV-IES0204G is also a high cost-effective easy-to-use device, which provides essential industrial Ethernet networking function, such as wide range power input 12-58VDC, redundant power design with polarity reverse/over-voltage protection, robust IP40 fan-less housing with DIN-Rail installation, wide operating temperature from -40°C to 75°C as well as high-level EMI/EMC capability etc. It is the best choice for heavy industrial factory, transportation, oil & gas, chemical, IP Surveillance and processing automation area where environmental conditions exceed commercial product specifications.



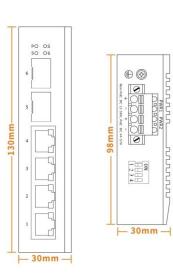
				0 0145 .	
	Fiber port		Copper RJ45 ports		
Interface	2			4	
	4*10/100/1000Base-TXRJ45 port				
	2*1000Base-XSFP slot				
	IEEE 802.3 10Base-T Ethernet				
	IEEE 802.3u Fast Ethernet				
Standard	IEEE 802.3ab Gigabit Ethernet				
	IEEE 802.3x Full-Duplex Flow				
	IEEE 802.3az Energy Efficient	Ethernet			
	1). Port isolation				
Dip Switch	2). Flow control				
	3). QoS				
	4). Broadcast storm restrain	OIV: the de	vice is newer	off or failed	
	P(Power indicator) Green	OLV: the device is power off or failed			
ı		On: the device power on is normal			
	S(System indicator) Red	OLV: the chip is normal			
		On: the chip read/write is unnormal			
	1-4(Copper port)	Green indic	ators	Yellow indicators	
LED Indicators		OLV: ports I	ink down	OLV: port speed is 10/100M	
		On: ports li	nk up	On: port speed is 1000M	
		Blinking: da	ta on TX/RX	On. port speed is 1000ivi	
		OLV: ports link down			
	5-6(Fiber port) Green	On: ports link up			
		Blinking: data on TX/RX			
	Power Para	ameters			
Input voltage	12-58VDC, redundant power	input			
Input current	0.5A Max				
Total power consumption	Full loading ≤5W				
Connector	Removable 4-pin terminal block				
Reverse polarity protection	Support				
Over-voltage protection	Support				

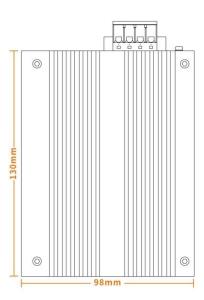


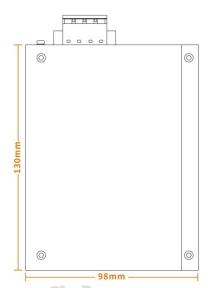
Switching Features				
Switching capacity	12G			
Packet forwarding rate	17.8 Mpps			
MAC address table	2K			
VLAN	4K			
Buffer	3M			
Forwarding delay	<10us			
Jumbo frame	Support 10Kbytes			
MDX/MIDX	Support			
Watchdog	Support			
	Network Topology			
Star topology	Support			
Bus topology	Support			
Tree topology	Support			
	Mechanical Structure			
Case protection	IP40			
Installation method	DIN-Rail			
Dimension(W*D*H)mm	30*98*130mm			
Weight 0.55 kg				
	Operating temperature: -40°C to 75°C			
Operating Environment	Storage temperature: -40°C to 85°C			
	Relative humidity: 5% to 95%(non-condensing)			
	Surge protection of power: IEC 61000-4-5Level 3(4kV/2kV, 8/20us)			
	Surge protection of Ethernet ports: IEC 61000-4-5Level 3(4kV/2kV, 10/700us)			
	DIP: IEC 61000-4-11Level 3(10V)			
Industrial Standard	ESD: IEC 61000-4-2 Level 4(8kV/15kV)			
	Shock: IEC 60068-2-27			
	Free fall: IEC 60068-2-32			
	Vibration: IEC 60068-2-6			
Certification	CE, FCC, RoHS			
Warranty	5 years			



### **Structure Diagram:**







	Model No.	Description
Ľ	V-IES0204G-SFP	Unmanaged industrial Ethernet switch, 4*10/100/1000Base-TX RJ45 port and 2*1000Base-X SFP slot, DIN-Rail, 12-58VDC, -40°C to 75°C operating temperature(Fiber port transmission distance depending on the SFP module)



## LV-IES0208G Series

8\*10/100/1000Base-TX to 2\*1000Base-FX Unmanaged Industrial Ethernet Switch

















#### **Features:**

- >8\*10/100/1000Base-TX RJ45 port, 2\*1000Base-FX SC/SFP(FC or ST is optional) fiber port.
- ➤12-58VDC input, redundant power supply with polarity reverse/over-voltage protection.
- ➤ Dip switch function: 1). Port isolation, 2). Flow control, 3). QoS, 4). Broadcast storm restrain.
- ➤ Support 10Kbytes jumbo frame.
- Support 4kV surge protection, 15kV ESD(air) protection, 8kV contact protection.
- >IP40 fan-less aluminum alloy housing and DIN-Rail hardware design.
- $\triangleright$  Operating temperature: -40  $^{\circ}$ C to 75  $^{\circ}$ C.

#### **Overview:**

The Link Vue LV-IES0208G is the unmanaged industrial grade Ethernet switch with 8-port 10/100/1000Base-TX RJ45 and 2-port 1000Base-FXSC/SFP(FC or ST is optional) fiber optical interface. It is featuring with port isolation, flow control, QoS and broadcast storm restrain function, which all can be configured by the Dip switch on the top panel.

LV-IES0208G is also a high cost-effective easy-to-use device, which provides essential industrial Ethernet networking function, such as wide range power input 12-58VDC, redundant power design with polarity reverse/over-voltage protection, robust IP40 fan-less housing with DIN-Rail installation, wide operating temperature from -40°C to 75°C as well as high-level EMI/EMC capability etc. It is the best choice for heavy industrial factory, transportation, oil & gas, chemical, IP Surveillance and processing automation area where environmental conditions exceed commercial product specifications.



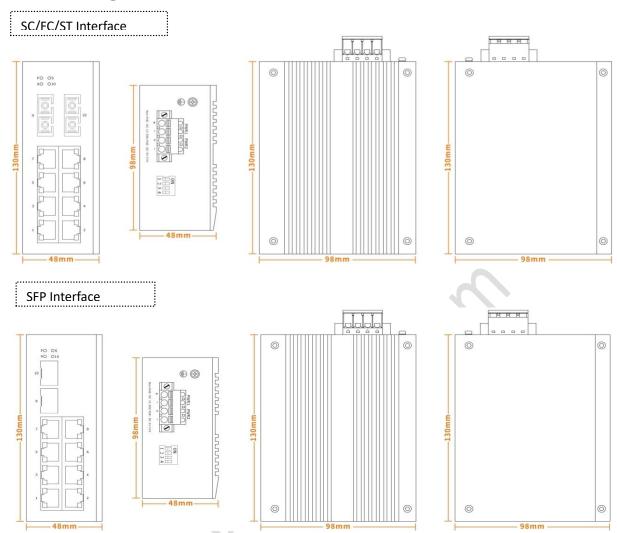
	Fiber port			Copper RJ45 ports
Interface				
	2			8
	8*10/100/1000Base-TXRJ45			
	2*1000Base-FX SC/SFP(FC or	•	) fiber port	
	IEEE 802.3 10Base-T Ethernet			
Standard	IEEE 802.3u Fast Ethernet			
Standard	IEEE 802.3ab Gigabit Ethernet			
	IEEE 802.3x Full-Duplex Flow IEEE 802.3az Energy Efficient			
	1). Port isolation	Linemet		
	2). Flow control			
Dip Switch	3). QoS			
	4). Broadcast storm restrain	<b>~</b>		
		OLV: the dev	vice is power	off or failed
	P(Power indicator) Green	On: the device power on is normal		
	S(System indicator) Red	OLV: the chip is normal		
		On: the chip read/write is unnormal		
	1-8(Copper port)	Green indica	itors	Yellow indicators
LED Indicators		OLV: ports li	nk down	OLV: port speed is 10/100M
		On: ports lin	k up	On: port speed is 1000M
		Blinking: dat	a on TX/RX	
		OLV: ports link down		
	9-10(Fiber port) Green	On: ports link up		
		Blinking: data on TX/RX		
	Power Para	ameters		
Input voltage	12-58VDC, redundant power input			
Input current	0.6A Max			
Total power consumption	Full loading ≤7.5W			
Connector	Removable 4-pin terminal block			
Reverse polarity protection	Support			
Over-voltage protection	Support			



Switching Features				
Switching capacity	20G			
Packet forwarding rate	29.7 Mpps			
MAC address table	8K			
VLAN	4K			
Buffer	2M			
Forwarding delay	<10us			
Jumbo frame	Support 10Kbytes			
MDX/MIDX	Support			
Watchdog	Support			
	Network Topology			
Star topology	Support			
Bus topology	Support			
Tree topology	Support			
	Mechanical Structure			
Case protection	IP40			
Installation method	DIN-Rail			
Dimension(W*D*H)mm	48*98*130mm			
Weight	0.7 kg			
	Operating temperature: -40°C to 75°C			
Operating Environment	Storage temperature: -40°C to 85°C			
	Relative humidity: 5% to 95%(non-condensing)			
	Surge protection of power: IEC 61000-4-5Level 3(4kV/2kV, 8/20us)			
	Surge protection of Ethernet ports: IEC 61000-4-5Level 3(4kV/2kV, 10/700us)			
	DIP: IEC 61000-4-11Level 3(10V)			
Industrial Standard	ESD: IEC 61000-4-2 Level 4(8kV/15kV)			
	Shock: IEC 60068-2-27			
	Free fall: IEC 60068-2-32			
	Vibration: IEC 60068-2-6			
Certification	CE, FCC, RoHS			
Warranty	5 years			



#### **Structure Diagram:**



Model No.	Description			
	Unmanaged industrial Ethernet switch, 8*10/100/1000Base-TX RJ45 port and 2*1000Base-X			
LV-IES0208G-SFP	SFP slot, DIN-Rail, 12-58VDC, -40°C to 75°C operating temperature(Fiber port transmission			
	distance depending on the SFP module)			
	Unmanaged industrial Ethernet switch,8*10/100/1000Base-TX RJ45 port and 2*1000Base-FX			
LV-IES0208G-SC	SC port, Multi-mode/Singlemode/dual fiber/single fiber, 550m, 20/40/60/80/100/120Km are			
	optional, DIN-Rail, 12-58VDC, -40 $^{\circ}\mathrm{C}$ to 75 $^{\circ}\mathrm{C}$ operating temperature			
	Unmanaged industrial Ethernet switch,8*10/100/1000Base-TX RJ45 port and			
17/ 1EC0309C EC	2*1000Base-FXFC port, Multi-mode/Singlemode/dual fiber/single fiber, 550m,			
LV-IES0208G-FC	20/40/60/80/100/120Km are optional, DIN-Rail, 12-58VDC, -40 $^{\circ}\mathrm{C}$ to 75 $^{\circ}\mathrm{C}$ operating			
	temperature			
	Unmanaged industrial Ethernet switch,8*10/100/1000Base-TX RJ45 port and 2*1000Base-FX			
LV-IES0208G-ST	ST port, Multi-mode/Singlemode/dual fiber/single fiber, 550m, 20/40/60/80/100/120Km are			
	optional, DIN-Rail, 12-58VDC, -40 $^{\circ}\mathrm{C}$ to 75 $^{\circ}\mathrm{C}$ operating temperature			



## LV-IES0408G Series

8\*10/100/1000Base-TX to 4\*1000Base-X
Unmanaged Industrial Ethernet Switch



















#### **Features:**

- >8\*10/100/1000Base-TX RJ45 port, 4\*1000Base-X SFP slot.
- ➤12-58VDC input, redundant power supply with polarity reverse/over-voltage protection.
- Support one channel output relay alarm(terminal block Pin 5/6).
- Support powerful Dip switch function: 1). Link aggregation, 2). Flow control, 3). QoS, 4).Broadcast storm restrain.
- Support 10K bytes jumbo frame.
- Support 6kV surge protection, 15kV ESD(air) protection, 8kV contact protection.
- >IP40 fan-less aluminum alloy housing and DIN-Rail hardware design.
- ▶ Operating temperature: -40  $^{\circ}$ C to 75  $^{\circ}$ C.

#### **Overview:**

The Link Vue LV-IESO408G is the highly reliable unmanaged industrial grade Ethernet switch with 8-port 10/100/1000-TX RJ45 and 4-port1000Base-X SFP slot. It is featuring with port isolation, flow control, QoS and broadcast storm function, which all can be configured by the Dip switch on the top panel.

LV-IESO408G is a high cost-effective easy-to-use device, which provide essential industrial Ethernet networking function, such as wide range power input 12-58VDC, redundant power design with polarity reverse/over-voltage protection, robust IP40 fan-less compact size housing with DIN-Rail installation, wide operating temperature from -40°Go 75°Gs well as high-level EMI/EMC capability etc. They are the best choice for heavy industrial factory, transportation, oil & gas, chemical, IP Surveillance and processing automation area where environmental conditions exceed commercial product specifications.



	Fiber port		Copper RJ45 port	
Interface	4		8	
	8*10/100/1000Base-TXRJ45 port			
	4*1000Base-X SFP slot			
Alarm Port	One relay output for powe	r failure. Alarm rel	ay currer	nt carry ability: 1A@24VDC
	IEEE 802.310Base-TEthern	et		
	IEEE 802.3u Fast Ethernet			
Standard	IEEE 802.3ab Gigabit Ethernet			
	IEEE 802.3x Full-Duplex Flo	ow Control		
	IEEE 802.3az Energy Efficie	ent Ethernet		
	1). Link aggregation			
Dip Switch	2). Flow control			
	3). QoS			
	4). Broadcast storm restrai	in		
	P(Power indicator) Green	OLV: the device is	s power o	off or failed
	r (rower malcator) dreen	On: the device power on is normal		
	S(System indicator) Red	OLV: the chip is normal		
		On: the chip read/write is unnormal		
		Green indicators		Yellow indicators
LED Indicators		OLV: ports link do	own	OLV: port speed is 10/100M
	1-8(Copper port)	On: ports link up		On: port speed is 1000M
		Blinking: data on	TX/RX	on. port speed is 1000ivi
		OLV: ports link down		
	9-12(Fiber port) Green	On: ports link up		
		Blinking: data on TX/RX		
	Power P	arameters		
Input voltage	12-58VDC, redundant power input			
Input current	0.8AMax			
Total power consumption	Full loading≤10W			
Connector	Removable 6-pin terminal block, Pin 5-6 for relay alarm output			
Reverse polarity protection	Support			

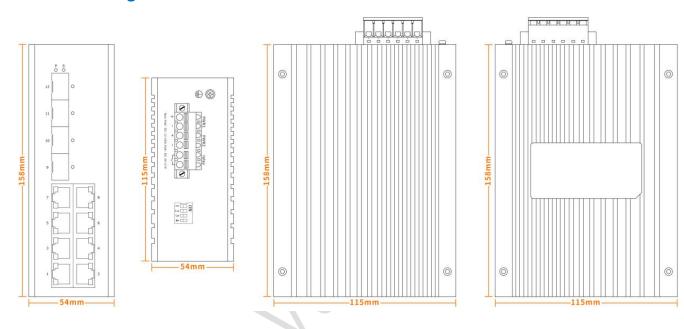


Over-voltage protection	Support		
Over-current protection	Support		
	Switching Features		
Switching capacity	24G		
Packet forwarding rate	35.7Mpps		
MAC address table	8K		
VLAN	4K		
Buffer	2M		
Forwarding delay	<10us		
Jumbo frame	Support 10K bytes		
MDX/MIDX	Support		
Watchdog	Support		
	Network Topology		
Star topology	Support		
Bus topology	Support		
Tree topology	Support		
	Mechanical Structure		
Case protection	IP40		
Installation method	DIN-Rail		
Dimension(W*D*H)mm	54*115*158mm		
Weight	1.2 kg		
	Operating temperature: -40°C to 75°C		
Operating Environment	Storage temperature: -40°C to 85°C		
	Relative humidity: 5% to 95%(non-condensing)		
	EMI: FCC Part 15B Class A		
	Surge protection of power: IEC 61000-4-56kV/4kV(8/20us)		
	Surge protection of Ethernet ports: IEC 61000-4-56kV/2kV(10/700us)		
Industrial Standard	RS: IEC 61000-4-3 80 MHz-1 GHz: 10V/m		
	EFT: IEC 61000-4-4, power interface: 4kV, Ethernet ports: 2kV		
	CS: IEC 61000-4-6 10V		
	ESD: IEC 61000-4-2Level 4(8kV/15kV)		



	Shock: IEC 60068-2-27 Free fall: IEC 60068-2-32 Vibration: IEC 60068-2-6
Certification	CE, FCC, RoHS
Warranty	5 years

## **Structure Diagram:**



Model No.	Description
LV-IES0408G-SFP	Unmanaged industrial Ethernet switch, 8*10/100/1000Base-TX RJ45 port and 4*1000Base-X SFP slot, DIN-Rail, 12-58VDC, -40°C to 75°C operating temperature(Fiber port transmission distance depending on the SFP module)



## LV-IES01G08F Series

8\*10/100Base-TX to 1\*1000Base-FX
Unmanaged Industrial Ethernet Switch

















#### **Features:**

- ➤ 8\*10/100Base-TX RJ45 port, 1\*1000Base-FXSC/SFP(FC or ST is optional) fiber port.
- ➤ 12-58VDC input, redundant power supply with polarity reverse/over-voltage protection.
- Dip switch function: 1). Port isolation, 2). Flow control,
- 3). QoS, 4). Broadcast storm restrain.
- Support 10Kbytes jumbo frame.
- Support 4kV surge protection, 15kV ESD(air) protection, 8kV contact protection.
- >IP40 fan-less aluminum alloy housing and DIN-Rail hardware design.
- $\triangleright$ Operating temperature: -40  $^{\circ}$ C to 75  $^{\circ}$ C.

#### **Overview:**

The Link Vue LV-IES01G08F is the unmanaged industrial grade Ethernet switch with 8-port 10/100Base-TX RJ45 and 1-port 1000Base-FXSC/SFP(FC or ST is optional) fiber optical interface. It is featuring with port isolation, flow control, QoS and broadcast storm restrain function, which all can be configured by the Dip switch on the top panel.

LV-IES01G08F is also a high cost-effective easy-to-use device, which provides essential industrial Ethernet networking function, such as wide range power input 12-58VDC, redundant power design with polarity reverse/over-voltage protection, robust IP40 fan-less housing with DIN-Rail installation, wide operating temperature from -40°C to 75°C as well as high-level EMI/EMC capability etc. It is the best choice for heavy industrial factory, transportation, oil & gas, chemical, IP Surveillance and processing automation area where environmental conditions exceed commercial product specifications.



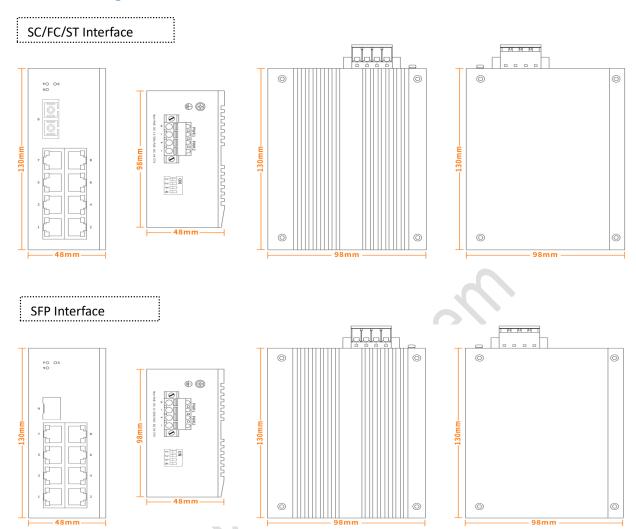
	Fiber port		(	Copper RJ45 ports	
Interface	1		8		
interrace	8*10/100Base-TXRJ45 port				
	1*1000Base-FX SC/SFP(FC or ST is optional) fiber port				
	IEEE 802.310Base-TEthernet				
Standard	IEEE 802.3u Fast Ethernet				
Standard	IEEE 802.3x Full-Duplex Flow Control				
	IEEE 802.3az Energy Efficient Ethernet				
	1). Port isolation				
Dip Switch	2). Flow control				
	3). QoS				
	4). Broadcast storm restrain	1		>	
	P(Power indicator) Green	OLV: the device is power oLV or failed			
	r (rower malcator) dreen	On: the dev	On: the device power on is normal		
	S/System indicator) Pod	OLV: the ch	ip is normal		
	S(System indicator) Red	On: the chip read/write is unnormal			
		Green indic	ators	Yellow indicators	
LED Indicators	1-8(Copper port)	OLV: ports I	ink down	OLV: port speed is 10M	
		On: ports li	nk up		
		Blinking: da	ta on TX/RX	On: port speed is 100M	
		OLV: ports l	OLV: ports link down		
	9(Fiber port) Green	On: ports link up			
		Blinking: data on TX/RX			
	Power Para	meters			
Input voltage	12-58VDC, redundant power i	nput			
Input current	0.5A Max				
Total power consumption	Full loading ≤6.5W				
Connector	Removable 4-pin terminal block				
Reverse polarity protection	Support				
Over-voltage protection	Over-voltage protection Support				
Switching Features					



Switching capacity	1.8G		
Packet forwarding rate	2.67 Mpps		
MAC address table	2K		
VLAN	2K		
Buffer	2M		
Forwarding delay	<10us		
Jumbo frame	Support 10Kbytes		
MDX/MIDX	Support		
Watchdog	Support		
	Network Topology		
Star topology	Support		
Bus topology	Support		
Tree topology	Support		
	Mechanical Structure		
Case protection	IP40		
Installation method	DIN-Rail		
Dimension(W*D*H)mm	nm 48*98*130mm		
Weight	0.7 kg		
	Operating temperature: -40°Co 75°C		
Operating Environment	Storage temperature: -40° © 85° C		
	Relative humidity: 5% to 95%(non-condensing)		
	Surge protection of power: IEC 61000-4-5Level 3(4kV/2kV, 8/20us)		
	Surge protection of Ethernet ports: IEC 61000-4-5Level 3(4kV/2kV, 10/700us)		
	DIP: IEC 61000-4-11Level 3(10V)		
Industrial Standard	ESD: IEC 61000-4-2 Level 4(8kV/15kV)		
	Shock: IEC 60068-2-27		
	Free fall: IEC 60068-2-32		
	Vibration: IEC 60068-2-6		
Certification	CE, FCC, RoHS		
Warranty	5 years		



#### **Structure Diagram:**



Model No.	Description
	Unmanaged industrial Ethernet switch, 8*10/100Base-TX RJ45 port and 1*1000Base-X SFP
LV-IES01G08F-SFP	slot, DIN-Rail, 12-58VDC, -40 to 75° C operating temperature(Fiber port transmission
	distance depending on the SFP module)
	Unmanaged industrial Ethernet switch,8*10/100Base-TX RJ45 port and 1*1000Base-FX SC
LV-IES01G08F-SC	port ,Multi-mode/Singlemode/dual fiber/single fiber, 550m, 20/40/60/80/100/120Km are
	optional, DIN-Rail, 12-58VDC, -40 to 75° C operating temperature
	Unmanaged industrial Ethernet switch,8*10/100Base-TX RJ45 port and 1*1000Base-FX FC
LV-IES01G08F-FC	port, Multi-mode/Singlemode/dual fiber/single fiber, 550m, 20/40/60/80/100/120Km are
	optional, DIN-Rail, 12-58VDC, -40 to 75° C operating temperature
	Unmanaged industrial Ethernet switch,8*10/100Base-TX RJ45 port and 1*1000Base-FX ST
LV-IES01G08F-ST	port, Multi-mode/Singlemode/dual fiber/single fiber, 550m, 20/40/60/80/100/120Km are
	optional, DIN-Rail, 12-58VDC, -40 to 75° C operating temperature



## LV-IES02G08F Series

8\*10/100Base-TX to 2\*1000Base-FX
Unmanaged Industrial Ethernet



















#### **Features:**

- >8\*10/100Base-TX RJ45 port, 2\*1000Base-FXSC/SFP(FC or ST is optional) fiber port.
- ➤ 12-58VDC input ,redundant power supply with polarity reverse/over-voltage protection.
- ➤ Dip switch function: 1). Port isolation, 2). Flow control,
- 3). QoS, 4). Broadcast storm restrain.
- Support 10Kbytes jumbo frame.
- Support 4kV surge protection, 15kV ESD(air) protection, 8kV contact protection.
- >IP40 fan-less aluminum alloy housing and DIN-Rail hardware design.
- $\triangleright$ Operating temperature: -40  $^{\circ}$ C to 75  $^{\circ}$ C.

#### **Overview:**

The Link VueLV-IES02G08F is the unmanaged industrial grade Ethernet switch with 8-port 10/100Base-TX RJ45 and 2-port 1000Base-FX SC/SFP(FC or ST is optional) fiber optical interface. It is featuring with port isolation, flow control, QoS and broadcast storm restrain function, which all can be configured by the Dip switch on the top panel.

LV-IES02G08F is also a high cost-effective easy-to-use device, which provides essential industrial Ethernet networking function, such as wide range power input 12-58VDC, redundant power design with polarity reverse/over-voltage protection, robust IP40 fan-less housing with DIN-Rail installation, wide operating temperature from -40°C to 75°C as well as high-level EMI/EMC capability etc. It is the best choice for heavy industrial factory, transportation, oil & gas, chemical, IP Surveillance and processing automation area where environmental conditions exceed commercial product specifications.



	Fiber port		(	Copper RJ45 ports	
Interface	2		8		
interrace	8*10/100Base-TXRJ45 port				
	2*1000Base-FX SC/SFP(FC or ST is optional) fiber port				
	IEEE 802.310Base-TEthernet				
Standard	IEEE 802.3u Fast Ethernet				
Standard	IEEE 802.3x Full-Duplex Flow Control				
	IEEE 802.3az Energy Efficient Ethernet				
	1). Port isolation				
Dip Switch	2). Flow control				
	3). QoS				
	4). Broadcast storm restrain	1		>	
	P(Power indicator) Green	OLV: the device is power off or failed			
	P(Power indicator) Green	On: the device power on is normal			
	S/System indicator) Red	OLV: the chi	OLV: the chip is normal		
	S(System indicator) Red	On: the chip read/write is unnormal			
		Green indica	ators	Yellow indicators	
LED Indicators	1-8(Copper port)	OLV: ports li	ink down	OLV: port speed is 10M	
		On: ports lir	nk up		
		Blinking: da	ta on TX/RX	On: port speed is 100M	
	OLV: port		orts link down		
	9-10(Fiber port) Green	On: ports link up			
		Blinking: data on TX/RX			
	Power Para	meters			
Input voltage	12-58VDC, redundant power i	nput			
Input current	0.5A Max				
Total power consumption	Full loading ≤6W				
Connector	Removable 4-pin terminal block				
Reverse polarity protection	Support				
Over-voltage protection	Over-voltage protection Support				
Switching Features					

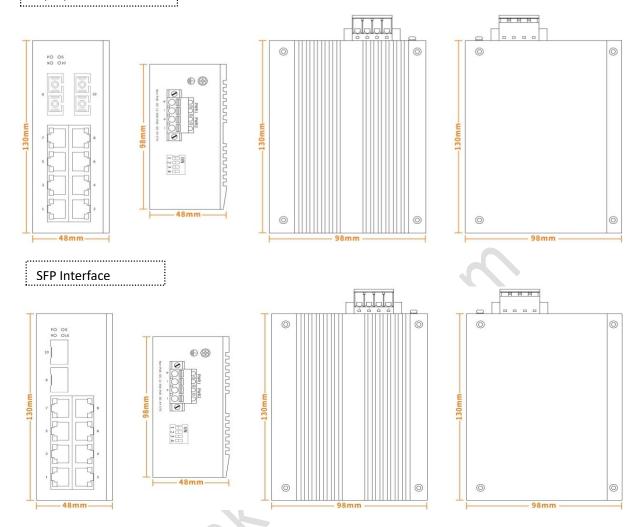


Switching capacity	5.6G		
Packet forwarding rate	4.166 Mpps		
MAC address table	2K		
VLAN	2K		
Buffer	2M		
Forwarding delay	<10us		
Jumbo frame	Support 10Kbytes		
MDX/MIDX	Support		
Watchdog	Support		
	Network Topology		
Star topology	Support		
Bus topology	Support		
Tree topology	Support		
	Mechanical Structure		
Case protection	IP40		
Installation method	DIN-Rail DIN-Rail		
Dimension(W*D*H)mm	48*98*130mm		
Weight	0.7 kg		
	Operating temperature: -40°C to 75°C		
Operating Environment	Storage temperature: -40°C to 85°C		
	Relative humidity: 5% to 95%(non-condensing)		
	Surge protection of power: IEC 61000-4-5Level 3(4kV/2kV, 8/20us)		
	Surge protection of Ethernet ports: IEC 61000-4-5Level 3(4kV/2kV, 10/700us)		
	DIP: IEC 61000-4-11Level 3(10V)		
Industrial Standard	ESD: IEC 61000-4-2 Level 4(8kV/15kV)		
	Shock: IEC 60068-2-27		
	Free fall: IEC 60068-2-32		
	Vibration: IEC 60068-2-6		
Certification	CE, FCC, RoHS		
Warranty	5 years		



## **Structure Diagram:**

SC/FC/ST Interface



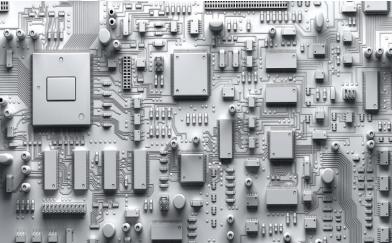
Model No.	Description
	Unmanaged industrial Ethernet switch, 8*10/100Base-TX RJ45 port and 2*1000Base-X SFP
LV-IES02G08F-SFP	slot, DIN-Rail, 12-58VDC, -40 to 75° C operating temperature(Fiber port transmission
	distance depending on the SFP module)
	Unmanaged industrial Ethernet switch,8*10/100Base-TX RJ45 port and 2*1000Base-FX SC
LV-IES02G08F-SC	port, Multi-mode/Singlemode/dual fiber/single fiber, 550m, 20/40/60/80/100/120Km are
	optional, DIN-Rail, 12-58VDC, -40 to 75° C operating temperature
	Unmanaged industrial Ethernet switch,8*10/100Base-TX RJ45 port and 2*1000Base-FXFC
LV-IES02G08F-FC	port, Multi-mode/Singlemode/dual fiber/single fiber, 550m, 20/40/60/80/100/120Km are
	optional, DIN-Rail, 12-58VDC, -40 to 75° C operating temperature
	Unmanaged industrial Ethernet switch,8*10/100Base-TX RJ45 port and 2*1000Base-FX ST
LV-IES02G08F-ST	port, Multi-mode/Singlemode/dual fiber/single fiber, 550m, 20/40/60/80/100/120Km are
	optional, DIN-Rail, 12-58VDC, -40 to 75° C operating temperature











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