IES-162FX-L Series

▶ Industrial 8-port unmanaged Ethernet switch with 6x10/100Base-T(X) and 2x100Base-FX

Features

- Support 6x10/100Base-T(X) and 2x100Base-FX single/multi-mode fiber ports
- Support auto-negotiation and auto-MDI/MDI-X
- Support store and forward transmission
- Support flow control
- Support broadcast storm protection
- Compact size for easily installation
- Support operating temperature from -20 to 60°C
- Rigid IP-30 housing design
- DIN-Rail and wall mounting enabled









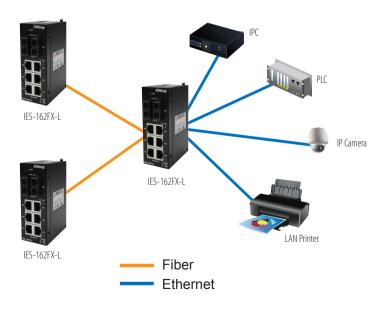


Introduction

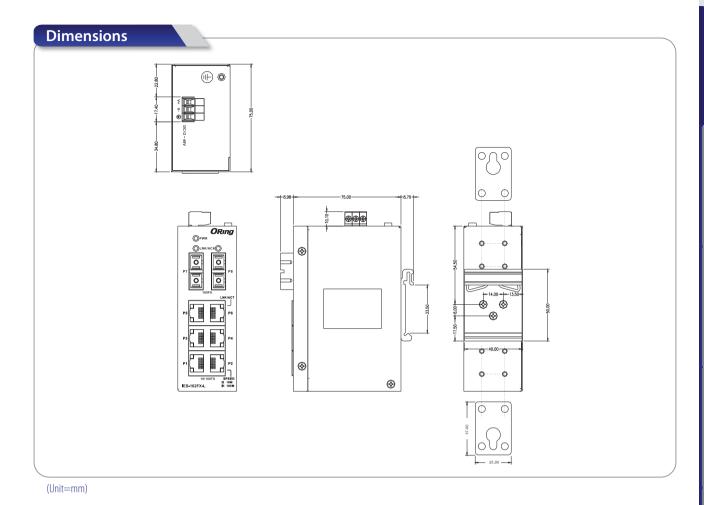
IES-162FX-L series are unmanaged Ethernet switches with 6 x 10/100Base-T(X) and 2 x 100Base-FX ports. With very compact size of housing, you can install IES-162FX-L series easily. In addition, IES-162FX-L series are with rigid IP-30 housing design and can operate under harsh environment. The extended operating temperature range from -20 oC to 60oC is ready and can satisfy most requirement of operation.

Practical Operation

IES-162FX-L series can be used in connecting several Ethernet devices like Ethernet I/O, IP-Camera or other Ethernet switches. In addition, its mini size enables easily installation and minimize space requirement.



Connections of Ethernet devices

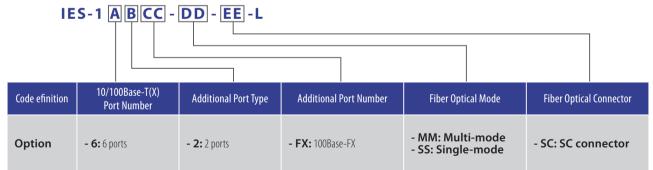


Specifications

ORing Switch Model		IES-162FX-MM-SC-L	IES-162FX-SS-SC-L			
Physical Ports						
10/100 Base-T(X) Ports in RJ45 Auto MDI/MDIX		6	6			
Fiber Ports Specification	Fiber Ports Number	2	2			
	Fiber Ports standard	100Base-FX	100Base-FX			
	Fiber Mode	Multi-mode	Single-mode			
	Fiber Diameter (µm)	62.5/125 μm 50/125 μm	9/125 μm			
	Fiber Optical Connector	SC	SC			
	Typical Distance (Km)	2 Km	30 Km			
	Wavelength (nm)	1310 nm	1310 nm			
	Max. Output Optical Power (dbm)	-14 dbm	-8 dbm			
	Min. Output Optical Power (dbm)	-23.5 dbm	-15 dbm			
	Max. Input Optical Power(Saturation)	0 dbm	0 dbm			
	Min. Input Optical Power(Sensitivity)	-31 dbm	-34 dbm			
	Link Budget (db)	7.5 db	19 db			
Technology						
Ethernet Standards		IEEE 802.3 for 10Base–T, IEEE 802.3u for 100Base–T(X) and 100Base–FX, IEEE 802.3x for Flow control				
MAC Table		1024 MAC addresses				
Packet Buffer		448Kbits				
Processing		Store-and-Forward				

LED indicators				
Power Indicator	Green: Power LED x 1			
10/100Base-T(X) RJ45 Port Indicator	Green for port Link/Act. Amber for speed indicator — Amber for 100Mbps, off-light for 10Mbps			
100Base-FX Fiber Port Indicator	Green for port Link/Act.			
Power				
Power Input	10~30VDC on 3-pin terminal block.			
Power Consumption (Typ.)	3.6 watts max.	3.6 watts max.		
Overload Current Protection	Present			
Reverse Polarity Protection	Present			
Physical Characteristic				
Enclosure	IP-30			
Dimension (W x D x H)	41 x 83.98 x 115 mm (1.61 x 3.31 x 4.53 inch)			
Weight (g)	328 g	328 g		
Environmental				
Storage Temperature	-40 to 85°C (-40 to 185°F)			
Operating Temperature	-20 to 60°C (-4 to 140°F)			
Operating Humidity	5% to 95% Non-condensing			
Regulatory approvals				
EMI	FCC Part 15, CISPR (EN55022) class A			
EMS	EN61000-4-2 (ESD), EN61000-4-3 (RS), EN61000-4-4 (EFT), EN61000-4-5 (Surge), EN61000-4-6 (CS), EN61000-4-8, EN61000-4-11			
Shock	IEC60068-2-27			
Free Fall	IEC60068-2-32			
Vibration	IEC60068-2-6			
Safety	EN60950-1			
Warranty	5 years			

Ordering Information



	Model Name	Descripn	
Available Model	IES-162FX-MM-SC-L	Industrial 8-port unmanaged Ethernet switch with 6x10/100Base-T(X) and 2x100Base-FX, multi-mode, 2Km/1310nm, SC connector	
	IES-162FX-SS-SC-L	$Industrial\ 8-port\ unmanaged\ Ethernet\ switch\ with\ 6x10/100Base-T(X)\ and\ 2x100Base-FX,\ single-mode,\ 30Km/1310nm,\ SC\ connector$	
Packing List • IES-162FX-MM/SS-SC-L x 1 • Din-Rail Kit x 1 • Wall-mount Kit x 1 • Quick Installation Guide x 1		Optional Accessories DR-45 series: 45 Watts Din-Rail power supply DR-75 series: 75 Watts Din-Rail power supply DR-120 series: 120 Watts Din-Rail power supply	