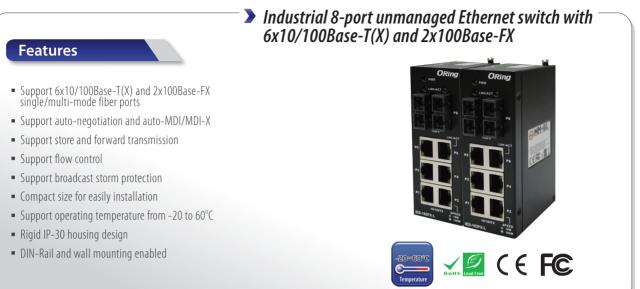
IES-162FX-L Series



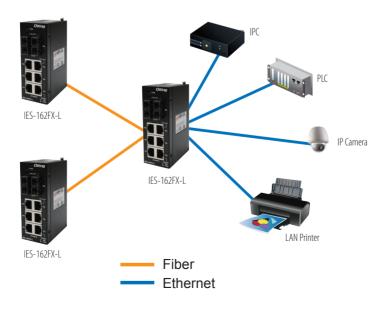


Introduction

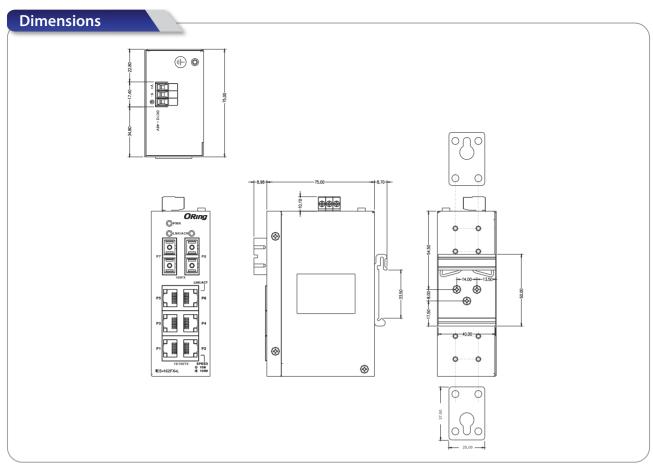
IES-162FX-L series are unmanaged Ethernet switches with 6 x 10/100Base-T(X) and 2 x 100Base-FX ports. With very compact size of housing, you can install IES-162FX-L series easily. In addition, IES-162FX-L series are with rigid IP-30 housing design and can operate under harsh environment. The extended 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



(Unit=mm)

Specifications

ORing Switch Model		IES-162FX-MM-SC-L	IES-162FX-SS-SC-L					
Physi	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	afety EN60950-1				
Warranty	5 years				

Ordering Information

IE	S-1 ABCC -	DD - EE - L				
Code efinition	10/100Base-T(X) Port Number	Additional Port Type	Additional Port Number	Fiber Optical Mode	Fiber Optical Connector	
Option	- 6: 6 ports	- 2: 2 ports	- FX: 100Base-FX	- MM: Multi-mode - SS: Single-mode	- SC: SC connector	
	Model Name		Descripn			
Available Model	IES-162FX-MM-SC-L	Industrial 8-port unm connector	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 unm connector	Industrial 8-port unmanaged Ethernet switch with 6x10/100Base-T(X) and 2x100Base-FX, single-mode, 30Km/1310nm, SC connector			
Packing List • IFS-162FX-MM/SS-SC-L x 1		-	Optional Accessories DR-45 series : 45 Watts Din-Rail power supply			

- IES-162FX-MM/SS-SC-L x 1
 Din-Rail Kit x 1
- Wall-mount Kit x 1
 Quick Installation Guide x 1

- 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