IES-1041FX / 1042FX

>> Industrial Slim Type 5-port/6-port Unmanaged Ethernet Switch

- 4 x 10/100Base-T(X) ports
- Support 100Base-FX ports (Multi-mode or Single-mode)
- Redundant DC power inputs
- Rigid IP-30 housing design









> Features

- Dual redundant DC power inputs at terminal block
- Support 4 x 10/100Base-T(X) ports
- Support 100Base-FX ports (Multi-mode or Single-mode)
- Very wide operating temperature range from -40 to 70°C
- Rigid IP-30 housing design
- DIN-Rail and panel mounting enabled

> Introduction

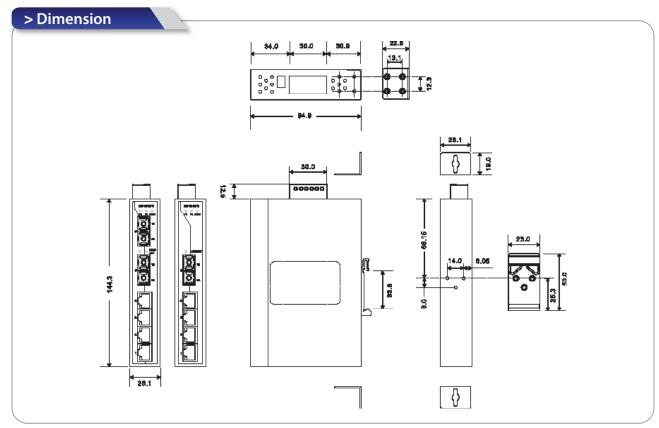
IES-1041FX/1042FX series are unmanaged Ethernet switches with 4 x 10/100Base-T(X) and 100Base-FX ports. IES-1041FX/1042FX series support redundant power input, configurable relay output alarm and rigid IP-30 housing. In addition, the wide operating temperature range from -40 to 70°C can satisfy most of operating environment.

> Practical Operation

IES-1041FX/1042FX series can be used in connecting several Ethernet devices like Ethernet I/O, IP-Camera or other Ethernet switches. In addition, there are two different power inputs at terminal block to avoid interruption caused by power down. When the primary DC power input fails, the backup power input will take over immediately to guarantee a non-stop operation.



Connections of Ethernet devices



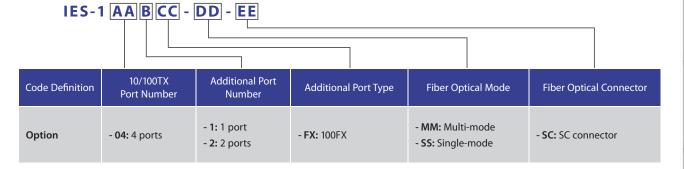
(Unit=mm)

> Specifications

ORing Switch Model	IES-1041FX-MM	IES-1041FX-SS	IES-1042FX-MM	IES-1042FX-SS	
Physical Ports					
10/100Base-T(X) Ports in RJ45 Auto MDI/MDIX	4	4	4	4	
100Base-FX Multimode ports (2KM, 1310nm, SC connector)	1		2		
100Base-FX Singlemode ports (30KM, 1550nm, SC connector)		1		2	
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				
Processing	Store-and-Forward				
LED Indicators					
Power Indicator	Green: Power LED x 2				
Fault Indicator	Yellow : Indicate PWR1 or PWR2 failure				
10/100TX RJ45 Port Indicator	Green for port Link/Act. Yellow for Duplex/Collision				
Fault contact					
Relay	Relay output to carry capacity of 1A at 24VDC				
Power					
Redundant Input Power	Dual DC inputs. 12-48VDC on 6-pin terminal block				
Power Consumption (Typ.)	5 W	/atts	7 V	Vatts	
Overload Current Protection	Present				
Reverse Polarity Protection	Present				

Physical Characteristic				
Enclosure	IP-30			
Dimension (W x D x H)	26(W) x 95(D) x 144.3(H) mm (1.30 x 3.74 x 5.68 inch.)			
Weight (g)	378 g	382 g		
Environmental				
Storage Temperature	-40 to 85°C (-40 to 185°F)			
Operating Temperature	-40 to 70°C (-40 to 158°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			
Warranty	5 years			

> Ordering Information



	Model Name	Description
Available IES-104 Model IES-104	IES-1041 FX-MM-SC	Industrial 5-port Unmanaged Ethernet Switch with 4x10/100TX & 1x100FX (Multi-mode)
	IES-1041 FX-SS-SC	Industrial 5-port Unmanaged Ethernet Switch with 4x10/100TX & 1x100FX (Single-mode)
	IES-1042FX-MM-SC	Industrial 6-port Unmanaged Ethernet Switch with 4x10/100TX & 2x100FX (Multi-mode)
	IES-1042FX-SS-SC	Industrial 6-port Unmanaged Ethernet Switch with 4x10/100TX & 2x100FX (Single-mode)