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

Company Overview

Key Technologies

New Products

Product
Selection Guide

**Industrial
Ethernet Switch**

Industrial
Media Converter

Industrial
Device Server

Industrial
Wireless Solution

Industrial
Serial Card

USB Server

Accessories

> 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℃
- 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℃ can satisfy most of operating environment.
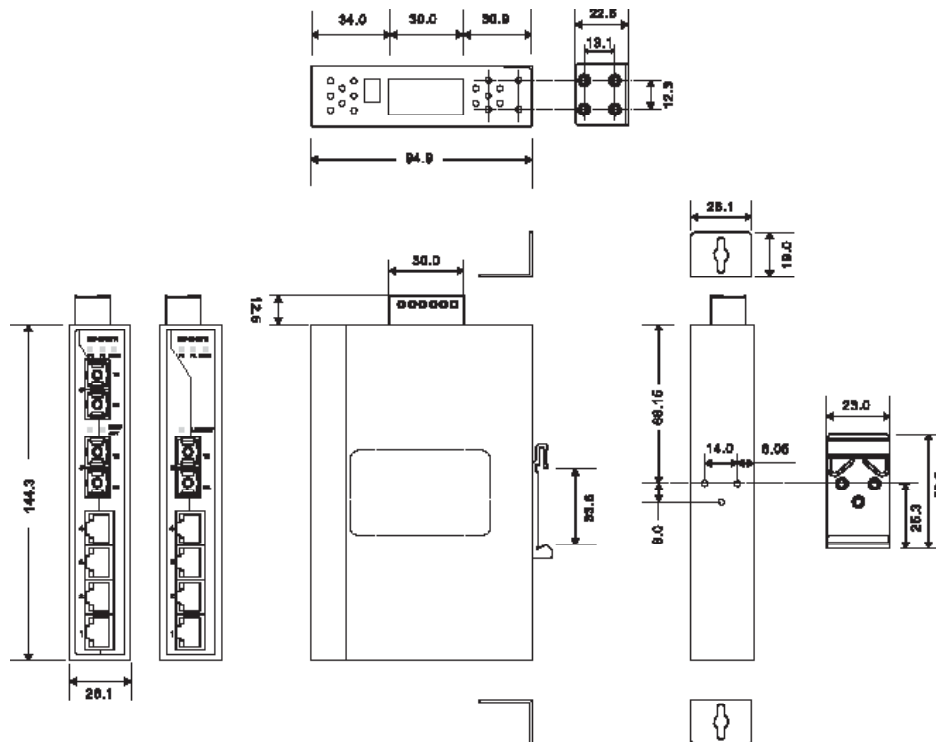
> Practical Operation

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

> Dimension

(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, 1310nm, 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	2048 MAC addresses			
Processing	Store-and-Forward			
LED Indicators				
Power Indicator	Green : Power LED x 2			
Fault Indicator	Amber : Indicate PWR1 or PWR2 failure			
10/100TX RJ45 Port Indicator	Green for port Link/Act. Amber 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 Watts		7 Watts	
Overload Current Protection	Present			
Reverse Polarity Protection	Present			

Physical Characteristic		
Enclosure	IP-30	
Dimension (W x D x H)	26.1(W) x 94.9(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

IES-1 AA B CC - DD - EE

Code Definition	10/100TX Port Number	Additional Port Number	Additional Port Type	Fiber Optical Mode	Fiber Optical Connector
Option	**- 04:** 4 ports	**- 1:** 1 port **- 2:** 2 ports	**- FX:** 100FX	**- MM:** Multi-mode **- SS:** Single-mode	**- SC:** SC connector

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

Company Overview
Key Technologies
New Products
Product Selection Guide
Industrial Ethernet Switch
Industrial Media Converter
Industrial Device Server
Industrial Wireless Solution
Industrial Serial Card
USB Server
Accessories