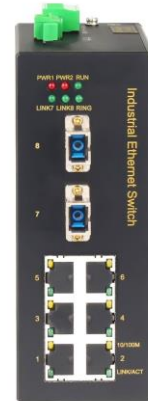## 6-port 10/100M Ethernet + 2-port 100M FX, Din-Rail, BY-PASS, Unmanaged

➢ Features

- Support 6-port 10/100M Base-T(X) + 2-port 100Base-FX;
- Support By-Pass patent redundancy technique;
- Support relay alarm output;
- Support indicator status display;
- Support IP40 protection, aluminum alloy shell, fanless design;
- Support Broadcast storm suppression;
- Support dual DC12-48V power supply;
- Support over Voltage, over current, EMC protection;
- Support -40-75°C wide operating temperature range;
- DIN-Rail or wall Installation;
- Warranty:5years

➢ Introduction

UPCOM BIES608-2F is a rugged industrial grade, Din-Rail, layer2, Unmanaged optical road by-pass switch that supports 6-port 10/100M Base-T(X) +2-port 100Base-FX. can be operated at wide temperatures range from -40 to 75°C. the 2 fiber ports are single-fiber bidirectional interface, which supports BY-PASS power-down straight-through function, ensures the integrity of the fiber link and improves the reliability of the overall network structure.

BIES608-2F adopts standard Industrial design, IP40 protection, aluminum alloy shell, support Din-rail installation, fanless design, support EMC level 4 protection, dual power DC12-48V, can meet the requirement of various Industrial automation, Intelligent Transportation System, Electric Power Industry applications.
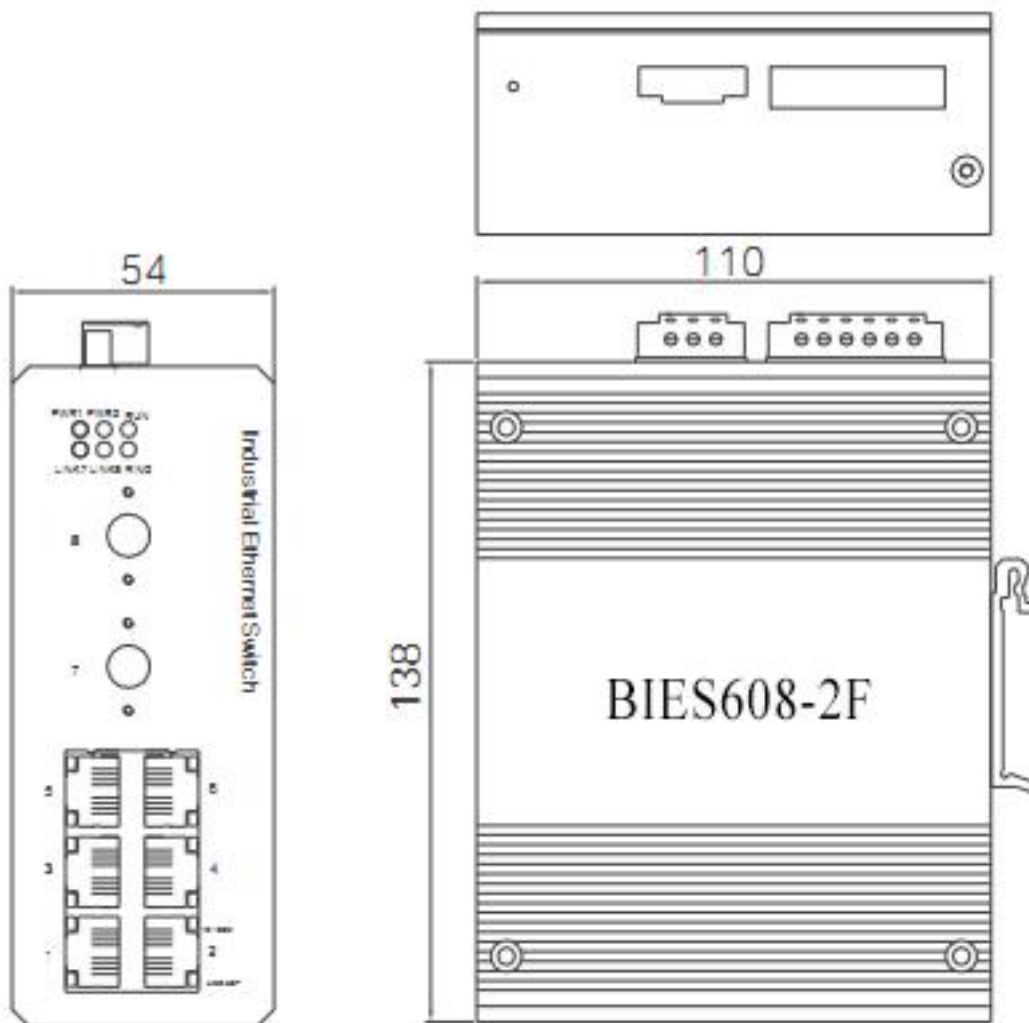
➢ Application

- Intelligent Transportation System
- Industrial Automation
- Security Surveillance
- New Energy and Utilities
- Data Center Network
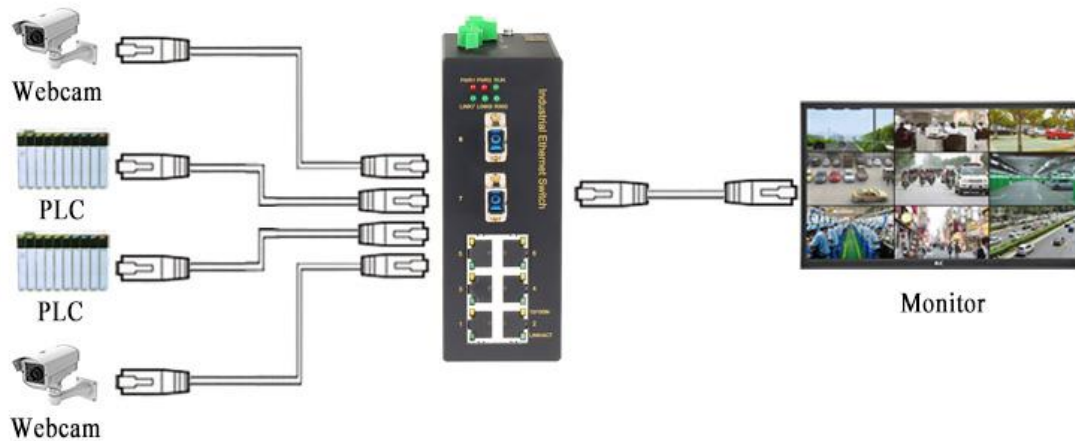- Electric Power Industry
- Oil&Gas
- Smart City

➤ Specification

Specification	
Product Name	8-port 10/100M Din-Rail Unmanaged layer2 Industrial BY-PASS switch
Product Model	IES4010-2F
Port Definition	6-port 10/100M RJ45 +2-port 100Base-FX
100M fiber port	SC/FC/ST Connector Optional
Terminal block for power input	5.08mm terminal block
Terminal block for relay alarm	5.08mm terminal block, 1A@24VDC
Protocol Standard	IEEE802.3(Ethernet), IEEE802.3u (100Base-TX&100Base-FX)
	IEEE802.3x(Flow Control), IEEE802.3z(1000Base-LX), IEEE802.3ab(1000Base-T)
Switch capability	
MAC Table Size	2K
Backplane bandwidth	2Gbps
Switch Delay	<5µs
Communication distance	
Twisted-pair	100m(CAT5/CAT5e cable)
Fiber	20km/40 km/60 km/80km
LED indicator lights	
Front panel LED lights	Port light: LINK/ACT;SPEED;
	System work light: RUN
	Power LED: PWR1/PWR2
Power	
Input power	Dual power DC12-48V
Full-load consumption	<5W
Overload protection	support
Inversed protection	support
Redundancy protection	support
Working Environment	
Operating Temperature	-40°C~75°C
Storage temperature	-40°C~85°C
Ambient Humidity	5%~95% (non-condensing)
Physical Characteristics	
Shell	IP40 protection, aluminum alloy shell
Installation	35mm din-rail Installation
Dimension	138mm*110mm*54mm

Industry standard	
EMC	EN61000-4-2(ESD), Level 4 EN61000-4-3(RS), Level 4 EN61000-4-4(EFT), Level 4 EN61000-4-5(Surge), Level 4 EN61000-4-6(CS), Level 4 EN61000-4-8, Level 5
Impact	IEC60068–2-27
Falling	IEC60068-2-32
Shock	IEC60068-2-6
Warranty	
Warranty	5 Years
Certification	CE, FCC, RoHS

➢ **Dimension**

➢ Connection

➢ Ordering Information

Model NO.	Description
BIES608-2F	6-port 10/100M Base-T(X)+2-port 100M FX, Unmanaged, BY-PASS , Dual DC12-48V
BIES508-2F	6-port 10/100M Base-T(X)+2-port 100M FX, Managed, BY-PASS , Dual DC12-48V
BIES508-2GS	6-port 10/100M Base-T(X)+2-port Gigabit SFP, Managed, BY-PASS , Dual DC12-48V

➢ Packing List

- Industrial BY-PASS Ethernet Switch *1
- User manual * 1
- Certificate of quality * 1
- Warranty card * 1