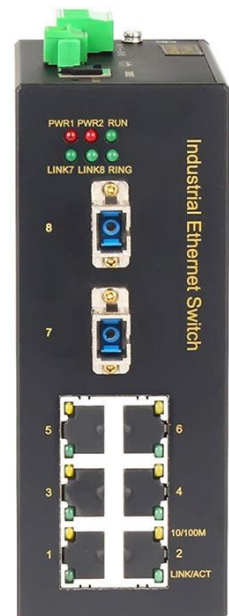


## 6-port 10/100M Ethernet + 2-port Gigabit SFP, Din-Rail, BY-PASS, Managed

### ➤ Features

- Support 6-port 10/100M RJ45 + 2-port Gigabit SFP;
- Support BY-PASS (maintain network connectivity when the in-line system fails);
- Support static multicast filtering, IGMP Snooping;
- Support MW-Ring redundancy technique (failure recovery time <20ms);
- Support STP/RSTP/MSTP;
- Support managed function such as VLAN, QoS, Trunking, and port mirroring;
- Support CLI, WEB, Telnet, SNMP management;
- Support firmware upgrade online;
- 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;
- Power supply input support anti-reverse protection;
- Support over Voltage, over current, EMC protection;
- Support -40-75°C wide operating temperature range;
- DIN-Rail Installation;
- Warranty:5years



### ➤ Introduction

UPCOM BIES508-2GS is a rugged industrial-grade, Din-Rail, layer2, Managed optical road by-pass switch that supports 6-port 10/100M Base-T(X) +2-port Gigabit SFP. 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.

BIES508-2GS provides some kinds of advanced network managed function, such as: MW-Ring redundancy technology (failure recovery time<20ms), VLAN, multicast, Quality of Service, Speed control, port mirroring, fault alarm and firmware remote update, also support CLI, WEB, Telnet, SNMP management, provide a user-friendly web console interface for easy configuration.

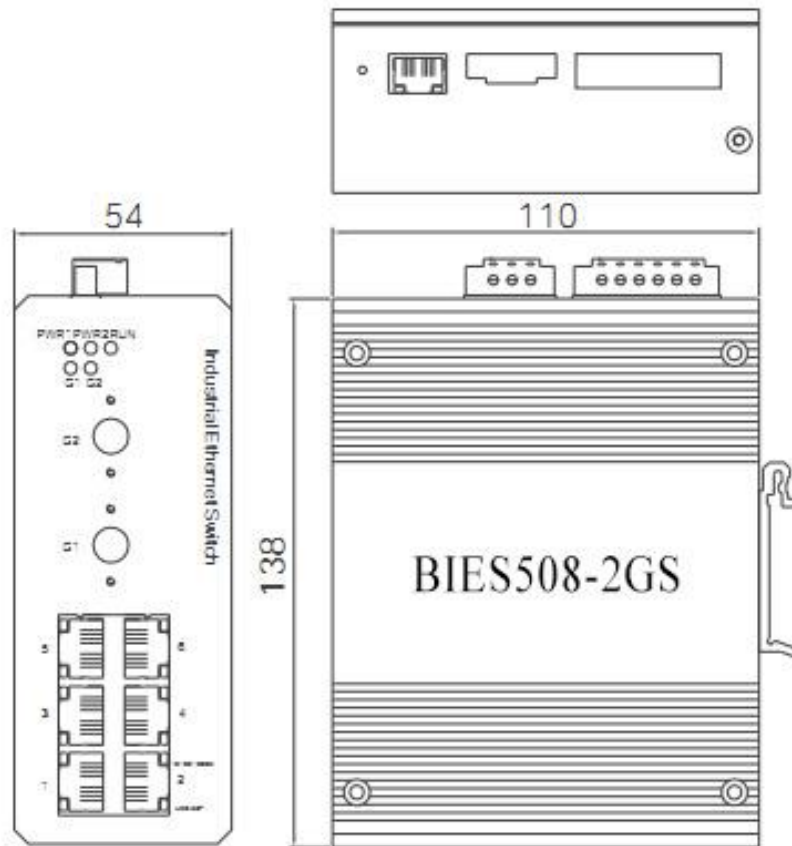
BIES508-2GS adopts standard Industrial design, IP40 protection, aluminum alloy shell, support Din-rail installation, fanless design, support EMC level 4 protection, dual power DC12-48V, can meet the requirement of various Industrial automation, Intelligent Transportation System, Electric Power Industry applications.

## ➤ Specification

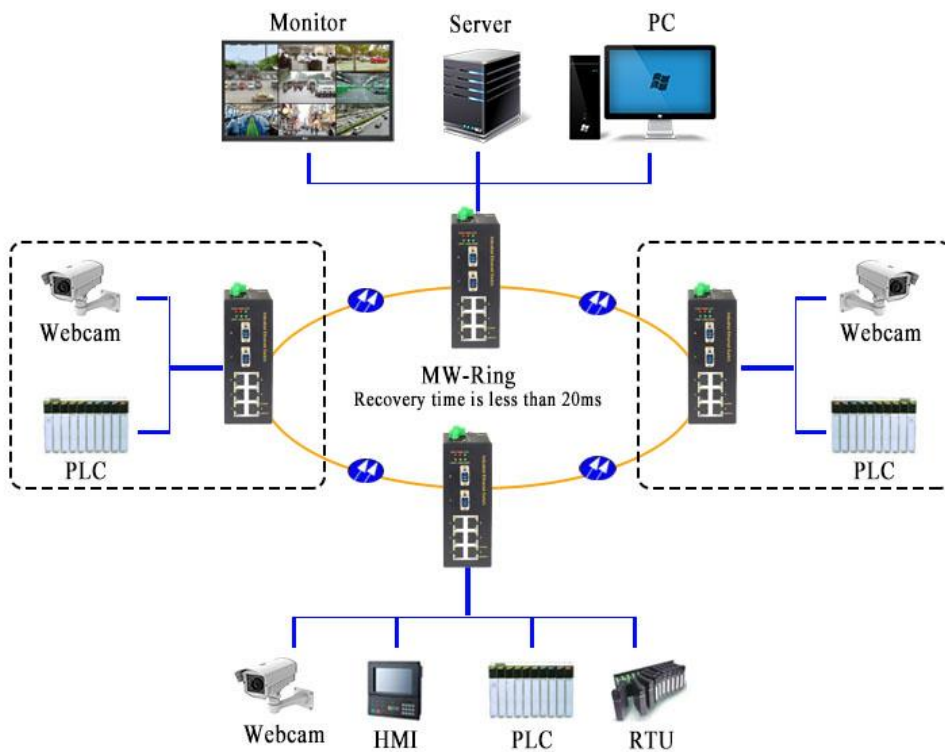
Specification	
Product Name	8-port 10/100M Din-Rail Managed layer2 Industrial BY-PASS switch
Product Model	BIES508-2GS
Port Definition	6-port 10/100M RJ45 +2-port Gigabit SFP + 1 Console port
1000M Fiber	SFP optical port, LC interface
Console port	RS232/RJ45
Terminal block for power input	5.08mm terminal block
Terminal block for relay alarm	5.08mm terminal block,1A@24VDC
Software Function	
Redundancy protocol	Support MW-Ring redundancy and the recovery time<20ms
	Support STP/RSTP
Multicast routing	Support IGMP snooping/ IGMP v1/v2/v3
	Support GMRP
	Support static multicast
Management and maintenance	Support Console and Web management
	Support SNMPv1/v2c
	Support unified PC software management
Ethernet Standard	IEEE802.3-10BaseT IEEE802.3u-100BaseTX/100Base-FX IEEE802.3x-Flow Control IEEE802.3z-1000BaseLX IEEE802.3ab-1000BaseTX IEEE802.1ab IEEE802.1D-Spanning Tree Protocol IEEE802.1w-Rapid Spanning Tree Protocol IEEE802.1Q -VLAN Tagging IEEE802.1p -Class of Service IEEE802.1X-Port Based Network Access Control
Switch capability	
Priority Queues	4
VLAN Number	4096
IGMP Groups	256
MAC Table Size	8K
Backplane bandwidth	5.2Gbps
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;
	Running light: RUN
	Power LED: PWR1/PWR2
<b>Power</b>	
Input power	Dual power DC12-48V
Full-load consumption	<6W
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)
<b>Physical Characteristics</b>	
Shell	IP40 protection, aluminum alloy shell
Installation	35mm din-rail Installation
Dimension	54mm*138mm*110mm
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
<b>Warranty</b>	
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