



◆ 4-port 10/100M Ethernet+4-port 100Base-FX+2-port gigabit(SFP slot) Managed Switch

➤ Features

- Support IEEE802.3, IEEE802.3u, IEEE 802.3x, IEEE802.1Q, IEEE802.1p, IEEE802.1D, IEEE802.1W
- MW-Ring ring network patent technology (Fault recovery time<20ms)
- Support RSTP, way exchange time<1s
- Support WEB configuration
- Support MAC address learning, aging automatic
- Support port status display, data update.
- Support static and dynamic IGMP
- Support flow statistics
- Support bi-directional port mirroring
- Support rate control, Broadcast storm control
- Support configuration file up and download
- Support 1 channel relay alarm output
- Industrial grade 4 design, -25-70°C work temperature
- No fan deign
- IP40 protection grade



➤ Introduction

IES3010-4F-2GS is a industrial grade, managed and redundancy Ethernet switch. It provided some kinds of advanced network managed function, like as: MW-Ring redundancy ring network, VLAN, Trunking, Quality of Service, Speed control, port mirroring, fault alarm and firmware upgrade online. MW-Ring can bring your Ethernet to intelligent redundancy. Standard Industry design, can satisfied every requirement of the industry scene. All components used industry grade, it takes products high reliability. It provided wide voltage power supply input. MW-Ring™ is designed as a rapid redundancy network arithmetics . It provided recover technology for fault of rapid redundant network, the recovery time<20ms.

➤ Application

- Intelligent Transportation System
- Connection of Sub-network for Surveillance Center
- Power system applications
- High Way & Toll Station Surveillance
- Transformer Substation Communication System
- Oil of GPRS data acquisition system



## ➤ Specification

<b>Technology</b>	
Standard	Support IEEE802.3, IEEE802.3u, IEEE 802.3x, IEEE802.1Q, IEEE802.1p, IEEE802.1D, IEEE802.1W
Protocol	ARP, ICMP, TCP, UDP, DHCP, DNS, HTTP, Telnet,, MW-Ring, RSTP, SNMP
Flow control	IEEE802.3x flow control, back press flow control
<b>Function</b>	
Switch function	MW-Ring, QOS, 802.1QVLAN, RSTP, SNMP, Port trunking, static multicast filter, port mirroring, bandwidth management, broadcast storm control, port flow statistics, access system
<b>MW-Ring</b>	
Exchange attribute	Support Single, Couple, Chain, Dual homing
100M forward speed	148810pps
1000M forward speed	1488100pps
100M maximum filter speed	148810pps
1000M maximum filter speed	1488100pps
Transmit mode	store and forward
System exchange bandwidth	5.6G
MAC address table	8K
Memory	1M
<b>Interface</b>	
Electric port	10Base-T/100Base-TX auto speed control, Half/full duplex and MDI/MDI-X auto detect
100M optic fiber port	100Base-FX, SC/ST connector, support single mode (20/40/60/80Km optional), multi mode(2Km), wavelength: 1310nm, 1550nm
1000M fiber port	1000Base-FX ( SFP port )
Console port	debug serial port carry out CLI command
Alarm port	2bit 7.62mmTerminal block,1 channel relay alarm output
Load ability	1A@24VDC
<b>Transfer distance</b>	
Twisted cable	100M ( standard CAT5/CAT5e cable )
Multimode	1310nm, 2Km
Single mode	1310nm, 20/40/60Km,1550nm, 60/80/100/120Km
<b>LED indicator</b>	
Run indicator	Run
Interface indicator	Link(1~8/G1~G2)
Power supply indicator	PWR1, PWR2
Alarm indicator	Alarm
<b>Power supply</b>	
Input voltage	12~48VDC
Input method	4 bits 7.62mm terminal block
Overload current protect	4.0A(DC) or 5.0A(AC)
Support DC dual power supply alarm input	

Support DC dual power supply redundancy

Support DC input no parity, protection  
reverse connection

Consumption

Unload consumption 6.1W@24VDC

Full load consumption 9.0W@24VDC

Working environment

Working temperature -25~70°C

Storage temperature -40~85°C

Relative Humidity 5%~95%( no condensation)

Mechanical Structure

Shell IP40 protect grade, metal shell

Installation DIN rail and wall mount

Size(W×H×D) 138mm×53mm×110mm

Weight 720g

Industry Standard CE, FCC, RoHS, PAL, UL508(Pending)

EMI: FCC Part 15, CISPR (EN55022) class A

EMS EN61000-4-2 (ESD) , Level 4

EN61000-4-3 (RS) , Level 3

EN61000-4-4 (EFT) , Level 4

EN61000-4-5 (Surge) , Level 4 ( AC power supply)

EN61000-4-6 (CS) , Level 3

EN61000-4-8, Level 5

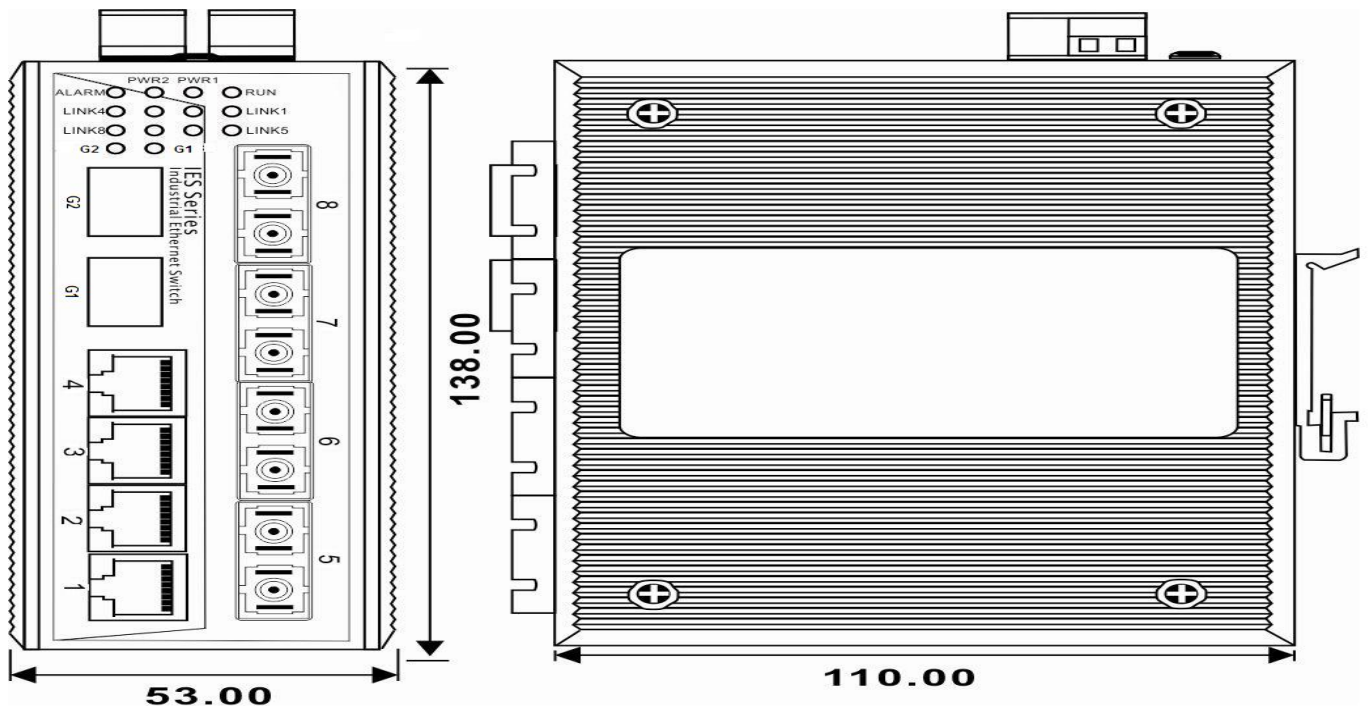
Shock IEC 60068-2-27

Free fall IEC 60068-2-32

Shake IEC 60068-2-6

Warranty 5 years

## ➤ Dimension



## ➤ Ordering Information

Model NO.	Description
IES3010-4F-2GS(M)	4 port 10/100Base-T(X)+4 port 100Base-FX Multi-mode SC/ST+ 2 port gigabit (SFP slot),12-48VDC
IES3010-4F-2GS(S)	4 port 10/100Base-T(X)+4 port 100Base-FX Single-mode SC/ST+2 port gigabit (SFP slot),12-48VDC
IES3010-4F-2GS(SS)	4 port 10/100Base-T(X)+4 port 100Base-FX single-mode, single fiber SC/ST+ 2 port gigabit (SFP slot),12-48VDC

## ➤ Packing List

- Industrial Ethernet switch IES3010-4F-2GS (plus terminal block)×1
- Hardware Installation Guide ×1
- CD-ROM with Windows Utility ×1
- Product Warranty Statement ×1
- RJ45 to DB9 Console port cable ×1
- DIN-Rail setting fittings (wall mounting for optional)