

**IES2010-2GF Series****8-Port Fast Ethernet + 2-Port 1000Base-FX****Unmanaged Industrial Ethernet Switch****Features**

- Support IEEE802.3, IEEE802.3u, IEEE802.3z, IEEE802.3x
- Support 8 Fast Ethernet ports that copper port and optic fiber optional
- Support 2 1000Base-FX (SC/ST/FC)
- Support MAC address auto-learning, auto-aging
- Support 8K MAC address
- Support 7.6Gbps backboard bandwidth
- Support redundancy DC power supply(12~48VDC)
- Support 1 channel relay alarm output
- Industrial grade 4 design, -40-75℃ work temperature
- IP40 protection grade, DIN-Rail mounting

**Introduction**

IES2010-2GF is an industrial grade, unmanaged and redundancy Ethernet switches which supports 8 Fast Ethernet ports and 2 1000Base-FX (SC/ST/FC optical). Standard Industry design, it can satisfy every requirement of the industry scene. All components used industry grade, it takes products high reliability. It provided wide voltage power supply input.

The switch accorded to CE, FCC standard and Industry grade 4 design requirement, support 2 channel DC power input and 1 channel relay alarm output, and -40 ~ 75 °C working temperature, can meet all kinds of Industrial environment requirement and provide the solution of the economy.

**Specification****Technology**

Standard: Support IEEE802.3, IEEE802.3u, IEEE802.3ab, IEEE802.3x

Flow control: IEEE802.3x flow control, back press flow control

**Exchange attribute**

100M forward speed: 148810pps

1000M forward speed: 1488100pps

Transmit mode: store and forward

System exchange bandwidth: 7.6G

MAC address table: 8K

Memory: 1Mbit

**Interface**

RJ45 port: 10/100Base-T(X) auto speed control, Half/full duplex and MDI/MDI-X auto detect

100M optic fiber port: 100Base-FX, SC/ST/FC connector, support single mode (20/40/60/80Km optional), multi mode (2Km), wavelength: 1310nm, 1550nm

Gigabit Fiber Ports: 1000Base-FX (SC/FC/ST)

Console port: RS-232 (RJ45 connector)

Alarm port: 2 bit terminal block

1 channel relay alarm output

**Transfer distance**

Twisted cable: 100M (standard CAT5/CAT5e cable)

Multi-mode: 1310nm, 2/5Km

Single-mode: 1310nm, 20/40/60Km

1550nm, 80/100/120Km

**LED indicator**

Run indicator: RUN

Interface indicator: Link (1~8/G1~G2)

Power supply indicator: P1, P2

Alarm indicator: ALARM

**Power supply**

Input Voltage: 12~48VDC

Type of input: 4 bits terminal block

DC support reverse connection

DC support redundant power supply

**Consumption**

No-load consumption: 2.4W@24VDC

Full-load consumption: 8.0W@24VDC

**Working environment**

Working temperature: -40~75℃

Storage temperature: -40~85℃

Relative Humidity: 5%~95% (no condensation)

## Mechanical Structure

Shell: IP40 protect grade, metal shell

Installation: DIN-Rail mounts

Weight: 720g

Size (W×H×D): 53mm×138mm×110mm

## Industry Standard

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

EMS: EN61000-4-2 (ESD), Level 3

EN61000-4-4 (EFT), Level 3

EN61000-4-5 (Surge), Level 3

Shock: IEC 60068-2-27

Free fall: IEC 60068-2-32

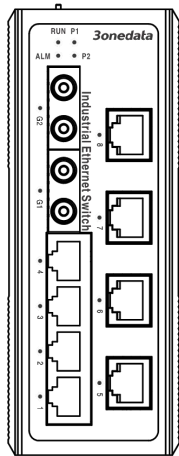
Vibration: IEC 60068-2-6

## Certification

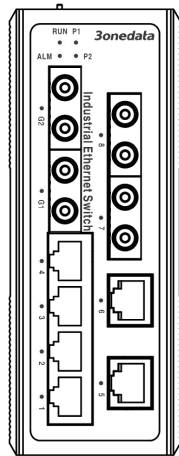
CE, FCC, RoHS, UL508 (Pending)

**Warranty: 5 years**

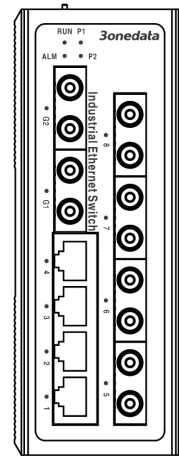
## Dimension (Unit: mm)



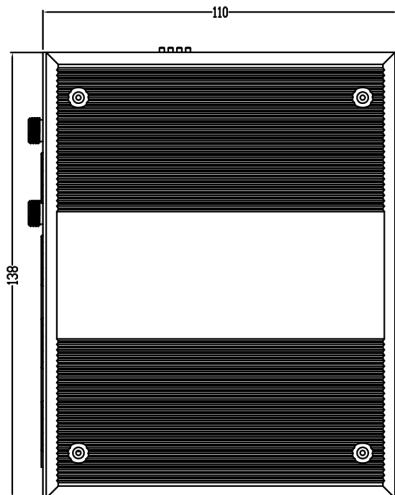
IES2010-2GF Front view



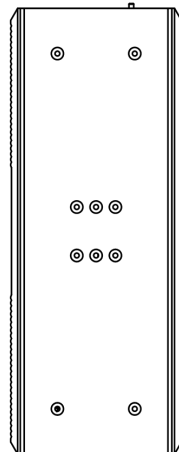
IES2010-2GF-2F Front view



IES2010-2GF-4F Front view



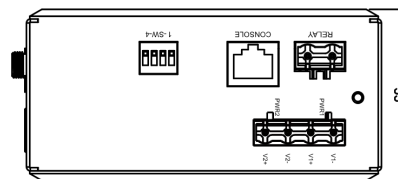
Side view



Rear view



Bottom view



Vertical view

## Packing List

1. Industrial Ethernet Switch (plus terminal block) x 1
2. User manual x 1
3. Certificate of quality x 1
4. Warranty card x 1
5. DIN-Rail mounting kit x 1

## Ordering Information

Available Models	Port Interface			Power Supply
	Fast Ethernet		Gigabit Ethernet	
	10/100Base-T(X)	100Base-FX	1000Base-FX	
	RJ45	SC/ST/FC, MM/SM/SS optional	SC/ST/FC, MM/SM/SS optional	
IES2010-2GF	8	-	2	12~48VDC
IES2010-2GF-2F	6	2	2	
IES2010-2GF-4F	4	4	2	

MM: Multi-Mode

SM: Single-Mode

SS: Single-Mode, single fiber