



IES2010 Series

DIN-Rail Mounting or Wall Mounting

10-port 100M/Gigabit Layer 2 Unmanaged Industrial Ethernet Switch

- Support 2 gigabit fiber ports(SFP slot), 4 100M copper ports and 4 100M fiber or copper ports optional
- Support dual power supply, input voltage: 12~48VDC
- Support -40~75°C wide operating temperature range



Industrial Grade



RPS

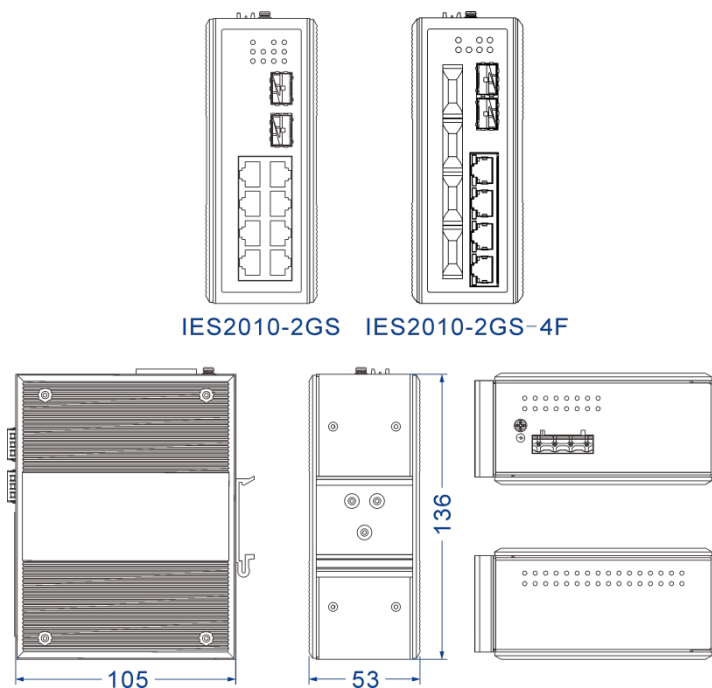
Introduction

IES2010 series are 10-port 100M/Gigabit unmanaged industrial Ethernet switches. The series include two types of products and offer multiple ports, such as 100M fiber ports and copper ports as well as Gigabit SFP slots. They also adopt DIN-Rail mounting or wall mounting, which can meet the requirements of different application scenes.

The input power supply is two independent power supply circuits which can ensure the normal operation of the device when one power supply fails. Hardware adopts fanless, low power consumption, wide temperature and voltage design and has passed rigorous industrial standard tests, which can suit for the industrial scene environment with harsh requirements for EMC. It can be widely used in smart grid, railway transportation, smart city, safe city, new energy, intelligent manufacturing and other industrial fields.

Dimension

Unit:mm



Specification

Standard & Protocol

IEEE 802.3 for 10Base-T
IEEE 802.3u for 100Base-TX and 100Base-FX
IEEE 802.3z for 1000Base-X

Interface	<p>Copper port: 10/100Base-T(X), RJ45, Automatic Flow Control, Full/Half Duplex Mode Self-adaption, MDI/MDI-X Autotuning</p> <p>Fiber port: 100Base-FX, SC/ST/FC optional</p> <p>SFP slot: 1000Base-SFP</p>									
LED Indicator	Power Supply Indicator, Port Indicator									
Switch Property	<p>Transmission mode: store and forward</p> <p>MAC address: 8K</p> <p>Packet buffer size: 1Mbit</p> <p>Backplane bandwidth: 7.6G</p> <p>Switch time delay: <10μs</p>									
Power Requirement	<p>12~48VDC, 4-pin 7.62mm pitch terminal blocks</p> <p>Dual power supply redundancy, non-polarity, reverse connection protection</p>									
Power Consumption	<table border="1"> <thead> <tr> <th data-bbox="715 875 954 913">Model</th> <th data-bbox="954 875 1198 913">No-load(@24VDC)</th> <th data-bbox="1198 875 1449 913">Full-load(@24VDC)</th> </tr> </thead> <tbody> <tr> <td data-bbox="715 913 954 952">IES2010-2GS</td> <td data-bbox="954 913 1198 952">1.70W</td> <td data-bbox="1198 913 1449 952">6.29W</td> </tr> <tr> <td data-bbox="715 952 954 990">IES2010-2GS-4F</td> <td data-bbox="954 952 1198 990">5.95W</td> <td data-bbox="1198 952 1449 990">7.34W</td> </tr> </tbody> </table>	Model	No-load(@24VDC)	Full-load(@24VDC)	IES2010-2GS	1.70W	6.29W	IES2010-2GS-4F	5.95W	7.34W
Model	No-load(@24VDC)	Full-load(@24VDC)								
IES2010-2GS	1.70W	6.29W								
IES2010-2GS-4F	5.95W	7.34W								
Environmental Limit	<p>Operating temperature range: -40~75℃</p> <p>Storage temperature range: -40~85℃</p> <p>Relative humidity: 5% ~ 95%(no condensation)</p>									
Physical Characteristic	<p>Housing: IP30 protection, high-intensity corrugated metal</p> <p>Installation: DIN-Rail mounting or wall mounting</p> <p>Dimension (W x H x D): 53mm×136mm×105mm</p>									
Industrial Standard	<p>IEC 61000-4-2 (ESD), Level 4</p> <ul style="list-style-type: none"> ● Air discharge: ±15kV ● Contact discharge: ±8kV <p>IEC 61000-4-4 (EFT), Level 4</p> <ul style="list-style-type: none"> ● Power supply: ±4kV ● Ethernet port: ±2kV ● Relay: ±4kV <p>IEC 61000-4-5 (Surge), Level 4</p> <ul style="list-style-type: none"> ● Power supply: common mode±4kV, differential mode±2kV ● Ethernet port:±2kV ● Relay: common mode±4kV, differential mode±2kV <p>IEC 61000-4-6 (CS), Level 3</p> <ul style="list-style-type: none"> ● Test level: 10V 									

	<ul style="list-style-type: none">• Frequency range: 180kHz-80MHz Shock: IEC 60068-2-27 Free fall: IEC 60068-2-32 Vibration: IEC 60068-2-6
Certification	CE, FCC, RoHS
Warranty	5 years



Ordering Information

Available Models	Gigabit SFP Slot	100M Copper Port	100M Fiber Port	Power Supply Range
IES2010-2GS	2	8	—	12~48VDC
IES2010-2GS-4F	2	4	4	dual power supply



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