3onedata
Make network communication more reliable

IES3012G Series

DIN-Rail Mounting

8/12-port Full Gigabit Layer 2 Unmanaged Industrial Ethernet Switch

- Support 4 Gigabit fiber ports (SFP slots) optional, 8 Gigabit copper ports

- Support dual power supply input, input voltage: 12~48VDC

- Support -40~75℃ wide operating temperature range

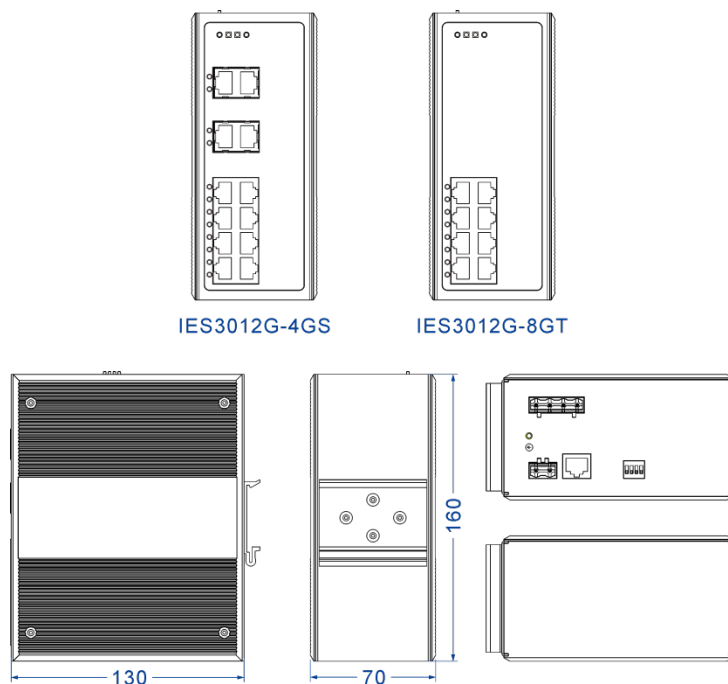CE FC U.S.A RoHS Industrial Grade RPS IP40

Introduction

IES3012G series are 8/12-port full Gigabit layer 2 unmanaged industrial Ethernet switches. This series of products provide Gigabit copper port and SFP slot. They adopt DIN-Rail mounting to meet the requirements of different application scenes.

Power supply input is two independent power supply circuits, which can ensure the device normal operation when one of the power supplies breaks down. Design of DIP switch can achieve power supply alarm function. When power supply occurs link failure, ALARM indicator will be bright and send out alarm, meanwhile, alarm device connected to the relay will send out alarm for rapid scene troubleshooting. 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, rail transit, smart city, safety city, new energy, aerospace, intelligent manufacturing, military project and other industrial fields.

Dimension

Unit:mm

IES3012G-4GS   IES3012G-8GT

Specification

Standard & Protocol	IEEE 802.3 for 10Base-T IEEE 802.3u for 100Base-TX IEEE 802.3ab for 1000Base-T IEEE 802.3z for 1000Base-X
Interface	Copper port: 10/100/1000Base-T(X), RJ45, Automatic Flow Control, Full/half Duplex Mode, MDI/MDI-X Autotunning SFP slot: 1000Base-SFP Alarm port: 2-pin 7.62mm pitch terminal blocks, support 1 relay alarm output, current carrying capacity 5A@30VDC or 2A@250VAC
LED Indicator	Running Indicator, Port Indicator, Power Supply Indicator, Alarm Indicator
Switch Property	Transmission mode: store and forward MAC address: 8K Packet buffer size: 4Mbit Backplane bandwidth: 24G Switch time delay: <10μs
Power Requirement	12~48VDC, 4-pin 7.62mm pitch terminal blocks dual power supply redundancy, reverse polarity protection, nonpolarity

Power Consumption	Model	No-load (@24VDC)	Full-load (@24VDC)
	IES3012G-4GS	4.85W	10.32W
	IES3012G-8GT	4.35W	9.56W

Environmental Limit	Operating temperature range: -40~75℃ Storage temperature range: -40~75℃ Relative humidity: 5%～95%（no condensation）
Physical Characteristic	Housing: IP40 protection, metal Installation: DIN-Rail mounting Weight: ≤0.96kg Dimension (W x H x D): 70mm×160mm×130mm
Industrial Standard	IEC 61000-4-2 (ESD), Level 4 IEC 61000-4-4 (EFT), Level 4 IEC 61000-4-5 (Surge), Level 4 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	Gigabit Copper Port	Power Supply Range
IES3012G-4GS	4	8	12~48VDC dual power supply
IES3012G-8GT	—	8	

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◀ Please scan our QR code for more details

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