IES1028 Series

1U Rack Mounting

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

- Support 4 Gigabit fiber ports (SFP slots), 24 100M fiber and copper ports optional

- Input power supply voltage: 100~240VAC/DC

- Support -40~75℃ wide operating temperature range

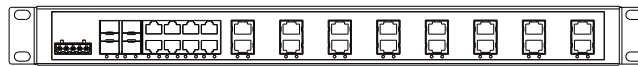CE   FC U.S.A   RoHS   Industrial Grade

Introduction

IES1028 series are 28-port 100M/Gigabit layer 2 unmanaged industrial Ethernet switches. This series include six types of products and provide 100M copper port, 100M fiber port, and Gigabit SFP slot. They adopt rack mounting to meet the requirements of different application scenes.
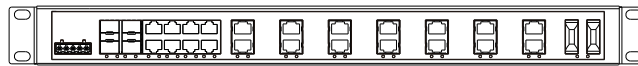
Hardware adopts fanless, low power consumption, wide temperature and voltage design and has passed rigorous industrial standard tests, which can suit for the industrial scene environment with harsh requirements for EMC. It can be widely used in smart grid, rail transit, smart city, safety city, new energy, intelligent manufacturing and other industrial fields.
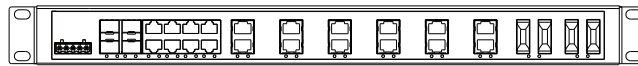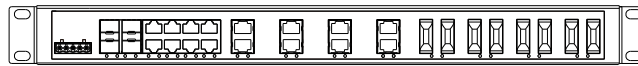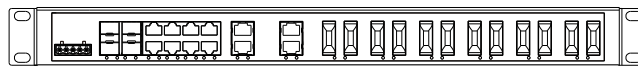
Dimension
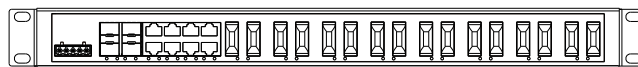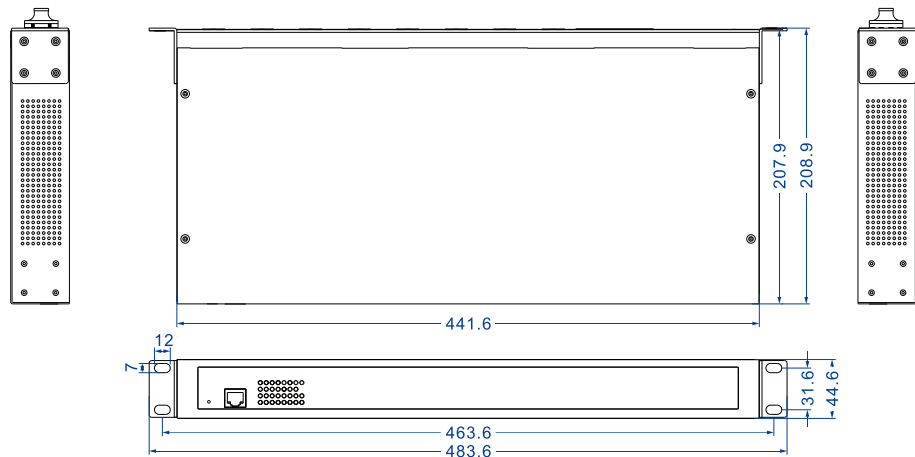
Unit:mm

IES1028-4GS

IES1028-4GS-2F

IES1028-4GS-4F

IES1028-4GS-8F

IES1028-4GS-12F

IES1028-4GS-16F

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	Copper port: 10Base-T/100Base-TX, RJ45, Automatic Flow Control, Full/half Duplex Mode, MDI/MDI-X Autotunning Fiber port: 100Base-FX, SC/ST/FC optional SFP slot: 1000Base-X SFP
LED Indicator	Running Indicator, Port Indicator, Power Supply Indicator
Switch Property	Transmission mode: store and forward MAC address: 8K Packet buffer size: 3Mbit Backplane bandwidth: 12.8G Switch time delay: <10µs
Power Requirement	100~240VAC/DC Support 8A overcurrent protection

Power Consumption

Model	No-load (@220VAC)	Full-load (@220VAC)
IES1028-4GS	6.9W	12.4W
IES1028-4GS-2F	8.2W	13.7W
IES1028-4GS-4F	9.5W	15W
IES1028-4GS-8F	12.1W	17.6W
IES1028-4GS-12F	14.7W	20.2W
IES1028-4GS-16F	17.3W	22.8W

Environmental Limit	Operating temperature range: -40~75℃ Storage temperature range: -40~85℃ Relative humidity: 5% ~ 95% (no condensation)
Physical Characteristic	Housing: IP30 protection, metal Installation: 19 inches 1U rack mounting Dimension (W x H x D): 441.6mm×44.6mm×207.9mm
Industrial Standard	IEC 61000-4-2 (ESD) , Level 4 ● Air discharge: ±15kV ● Contact discharge: ±8kV IEC 61000-4-4 (EFT), Level 4

	- Power supply: ±4kV - Ethernet interface: ±2kV - Relay: ±4kV IEC 61000-4-5 (Surge), Level 4 - Power supply: common mode ±4kV, differential mode ±2kV - Ethernet interface: ±4kV - Relay: common mode ±4kV, differential mode ±2kV 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 Fiber Port	100M Copper Port	Power Supply Range
IES1028-4GS	4	—	24	
IES1028-4GS-2F	4	2	22	
IES1028-4GS-4F	4	4	20	100~240VAC/DC
IES1028-4GS-8F	4	8	16	
IES1028-4GS-12F	4	12	12	
IES1028-4GS-16F	4	16	8	

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