



IES1024 Series

1U Rack Mounting

24-port 100M Layer 2 Unmanaged Industrial Ethernet Switch

- Support 8 100M copper port, 16 100M optional fiber port or copper port
- Input power supply 100~240VAC/DC
- Support -40~75°C wide operating temperature range



Industrial Grade

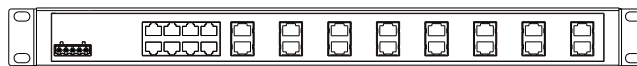
Introduction

IES1024 series are 24-port 100M layer 2 unmanaged industrial Ethernet switches. This series include six types of products and provide full 100M copper ports, 100M copper/fiber ports. They adopt rack mounting to meet the requirements of different application scenes.

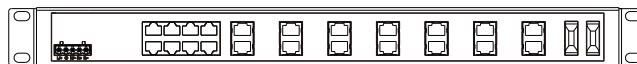
The products conform to FCC, CE standard and adopt industrial grade 4 design. Hardware adopts fanless, low power consumption, wide temperature and voltage design and has passed rigorous industrial standard tests, which can suit for the industrial scene environment with harsh requirements for EMC. It can be widely used in smart grid, rail transit, smart city, safety city, new energy, intelligent manufacturing and other industrial fields.

Dimension

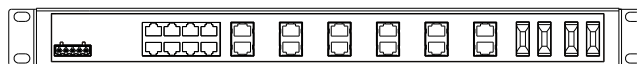
Unit:mm



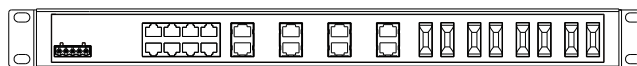
IES1024



IES1024-2F



IES1024-4F



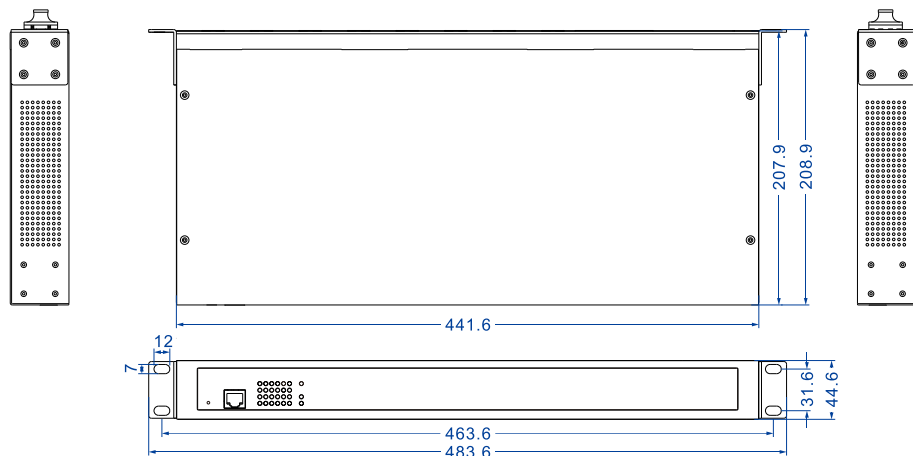
IES1024-8F



IES1024-12F



IES1024-16F



Specification

Standard & Protocol	IEEE 802.3 for 10Base-TX IEEE 802.3u for 100Base-TX and 100Base-FX		
Interface	Copper port: 10/100Base-TX, RJ45, Automatic Flow Control, Full/half Duplex Mode, MDI/MDI-X Autotuning Fiber port: 100Base- X SFP		
LED Indicator	Running Indicator, Port Indicator, Power Supply Indicator		
Switch Property	Transmission mode: store and forward MAC address: 8K Packet buffer size: 3M Backplane bandwidth: 12.8G Switch time delay: < 10μs		
Power Requirement	100-240VAC/DC		
Power Consumption	Model	No-load (@220VAC)	Full-load (@220VAC)
	IES1024	6.9W	9.4W
	IES1024-2F	8.2W	10.7W
	IES1024-4F	9.5W	12W
	IES1024-8F	12.1W	14.6W
	IES1024-12F	14.7W	17.2W
	IES1024-16F	17.3W	19.8W
Environmental Limit	Operating temperature range: -40~75°C Storage temperature range: -40~85°C Relative humidity: 5% ~ 95% (no condensation)		
Physical Characteristic	Housing: IP30 protection, metal Installation: 19 inches rack mounting Dimension (W x H x D): 441.6mm×44.6mm×207.9mm		
Industrial Standard	IEC61000-4-2 (ESD) , Level 4		
	<ul style="list-style-type: none"> ● Air discharge: 15kV ● Contact discharge: 8kV 		
Industrial Standard	IEC61000-4-4 (EFT), Level 4		
	<ul style="list-style-type: none"> ● Power supply: ±4kV ● Ethernet interface: ±2kV ● Relay: ±4kV 		

	<p>IEC61000-4-5 (Surge), Level 4</p> <ul style="list-style-type: none">● Power supply: common mode $\pm 4\text{kV}$, differential mode $\pm 2\text{kV}$● Ethernet interface: $\pm 4\text{kV}$ <ul style="list-style-type: none">● 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	100M Fiber Port	100M Copper Port	Power Supply Range
IES1024	-	24	100~240VAC/DC
IES1024-2F	2	22	
IES1024-4F	4	20	
IES1024-8F	8	16	
IES1024-12F	12	12	
IES1024-16F	16	8	



Address: 3/B, Zone 1, Baiwangxin High Technology Industrial Park, Song Bai Road, Nanshan District, Shenzhen, 518108, China

TEL.: +86-755-26702668 ext 835 FAX: +86-755-26703485

E-mail: ics@3onedata.com

Website: www.3onedata.com

◀ [Please scan our QR code for more details](#)

*Product pictures and technical data in this datasheet are only for reference. Updates are subject to change without prior notice. The final interpretation right is reserved by 3onedata.