CTS2024-M12

24-Port L2 Rack Mount M12 Industrial Ethernet Switch



- 24×10/100M copper ports with M12 connector
- Support full/half duplex, auto MDI/MDI-X, plug-and-play
- Support backpressure and IEEE802.3x flow control
- Support 9216Byte jumbo frames
- Relay output and status LED warning for power failure
- DC24 or AD220 power input, optional dual inputs for redundancy
- -40°C to +75°C operating temperature range

Product Description

The CTS2024-M12 is a 24-port M12 Layer 2 unmanaged rack-mount industrial fast Ethernet switch engineered for reliable and plug-and-play operation. It rugged M12 connectors to ensure secure Ethernet connections that withstand vibration and shock, making it ideal for use in rail transit and other mobile or high-vibration industrial environments. Supporting 10/100M speeds with full/half-duplex and MDI/MDI-X auto-negotiation, it provides stable, low-latency data transmission for seamless industrial automation networking.

Equipped with 24* M12 100Mbps Ethernet ports, the CTS2024-M12 is built with industrial-grade materials to ensure dependable performance in extreme conditions from -40°C to +75°C. It has undergone comprehensive testing for functionality, temperature endurance, safety, and EMC protection, guaranteeing stability in harsh field applications. This switch is well-suited for deployment across industrial automation, energy systems, smart cities, rail transit, intelligent transportation, and smart manufacturing environments.

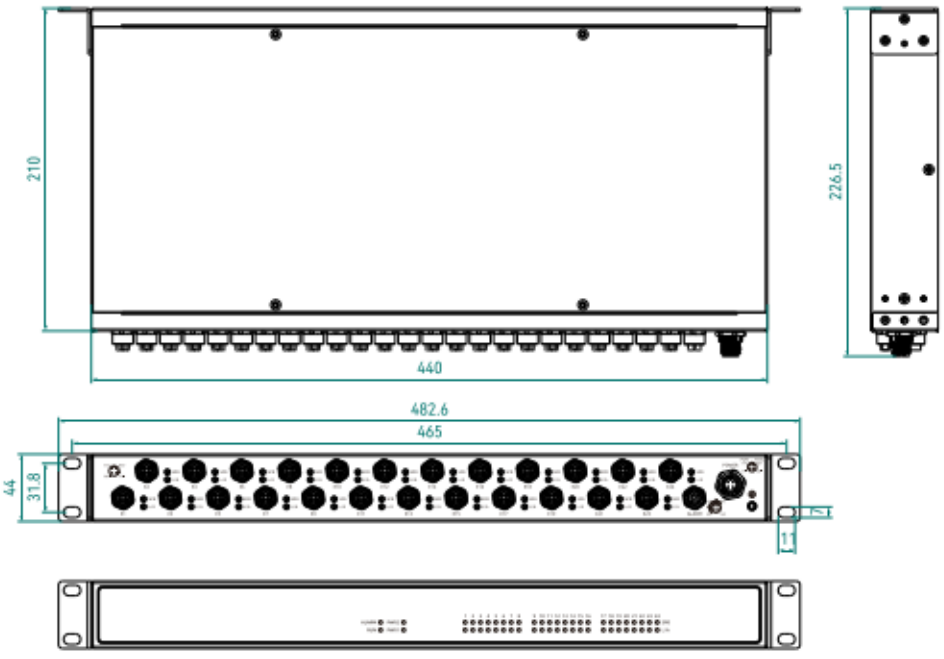
Technical Specifications

Switching	
Processing Type	Store-and-Forward
Backplane Bandwidth	8.8Gbps
Buffer Size	768kbit
Jumbo Frame Size	9216Byte
MAC Table Size	8K
IEEE Standards	IEEE 802.3, IEEE 802.3u, IEEE 802.3x
Interface	
100M Copper Port	24 x 10/100Base-T(X) auto-sensing copper ports, using M12 (D-Code 4-Pin Female) connectors, supporting full/half duplex, and auto MDI/MDI-X
Relay	1 x relay output for alarm with M12 (A-Code 4-Pin Female) connector
Status LED	Power indicator, Operation indicator, Alarm indicator, Rate indicator, Interface indicator
Power Supply	
Input Voltage	AC Model: DC18~72V, anti-reverse protection, single or dual inputs DC Model: AC85-264V / DC110-370V, single or dual inputs
Power Consumption	≤5W@DC24V, ≤5.6W@AC220V
Connection	M12 (A-Code 4-Pin Male) connector
Physical Characteristics	
Dimensions	482.6×44×210 mm
Installations	19-inch 1U Rack Mount
IP Code	Metal case, IP40
Weight	2.6 kg

Working Environment	
Operating Temp	-40°C to +75°C
Storage Temp	-40°C to +85°C
Relative Humidity	5%~95% (non-condensing)
Industry Standard	
EMC	IEC 61000-4-2 (ESD): Level 3 (Contact discharge ±6kV, air discharge ±8kV) IEC 61000-4-5 (Surge): Level 3 (Power supply: Common-mode ±2kV, differential-mode ±2kV; Network port: Common-mode ±6kV, differential-mode ±2kV) IEC 61000-4-4 (EFT): Level 4 (Power supply: ±4kV; Ethernet port: ±2kV)
Warranty	5-Year

Dimensions

Unit: mm



Ordering Information

Standard Model	10/100M Copper Port	Input Voltage
CTS2024-M12-DC24	24	DC18-72V
CTS2024-M12-AD220	24	AC85-264V/DC110-370V
CTS2024-M12-2DC24	24	DC18-72V redundant inputs
CTS2024-M12-2AD220	24	AC85-264V/DC110-370V redundant inputs

Contact Us

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