

CTS12M Series

12-port DIN-Rail Managed Industrial Ethernet Switch

Features:

- 8 × 10/100M Copper Ports and 4 × 1000M Optical Fiber Ports (SC/ST/SFP Connector)
- Supports IGMP Snooping, IEEE 802.1Q VLAN, QoS, STP/RSTP, SNMPv1/v2/v3 and Other Protocols to Insure Safe and Stable Network
- Adopts RMON to Improve Network Monitor Forecast Ability
- Supports Port Isolation and ACL Function
- Supports Port Mirroring Function
- Supports Port Speed Limit and Broadcast Storm Suppression
- Supports LLDP, Link Flap, UDLD, DDM
- Working Temperature -40°C to 75°C Is Supported



Introduction:

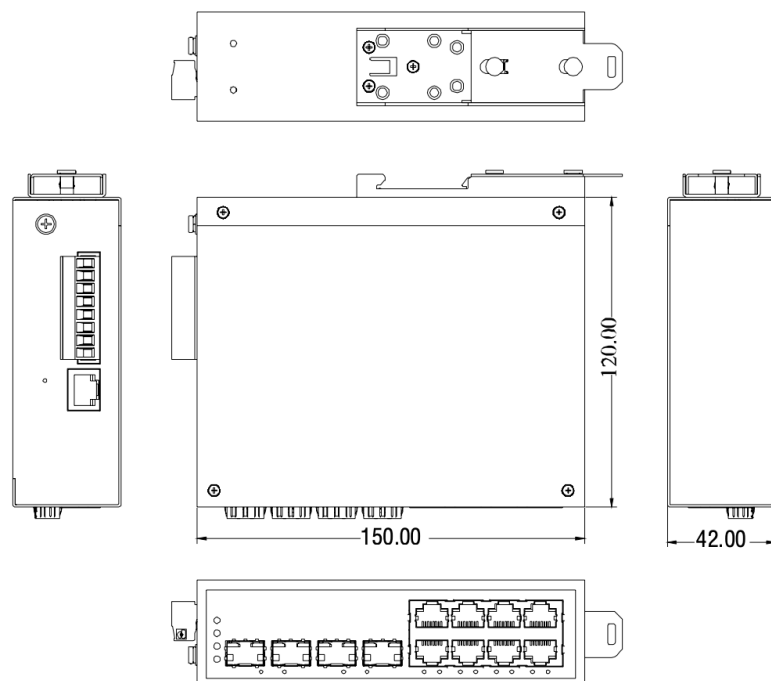
CTS12M series is managed industrial Ethernet switches. It supports 12 ports, with optional 4 Gigabit fiber ports. This series supports port mirroring, VLAN, IGMP, QoS, STP/RSTP, and other management, such as Console, Telnet, Web, SNMP, and relay alarm output. It provides safe and reliable solution for industrial automation, intelligent transportation, video monitoring, and other industrial application networking access.

Specification:

Ethernet Interface		
10/100BaseT(X) Ports (RJ45 Connector)	8 (Full/Half-duplex Mode; Auto MDI/MDI-X Adaptive; Auto Negotiation Speed)	
1000BaseFX Ports	4 (Multi/Single-mode SC/ST Connector or SFP Slot)	
Standard	IEEE802.3, IEEE802.3u, IEEE802.3x, IEEE802.3z, IEEE802.1Q, IEEE802.1p, IEEE802.1D, IEEE802.1W, IEEE802.1s, IEEE802.3ad, IEEE802.1x	
Optical Fiber (1000M)		
Mode	Multi-mode	Single-mode
Transmission Distance	2 Km	20 Km
Center Wavelength	1310nm	1310nm
TX Power	-6~-1 dBm	-9~-3 dBm
FX Power	≤-21 dBm	≤-23 dBm
Ethernet Software Features		
Protocols	ARP, ICMP, TCP, HTTP, HTTPS, Telnet, STP/RSTP/ MSTP, LLDP, IGMP, SNMPv1/v2c/v3, DHCP Server, UDLD, NTP, RMON, Syslog	
Flow Control	IEEE802.3x Flow Control, Backpressure Flow Control	
LED Interface		
LED Indicators	Power, Network, Run and Alarm Indicators	
Power Parameters		
Input Voltage	12/24/48 VDC (10.8~52.8VDC), Redundant Dual Power Inputs	
Power Consumption	500 mA @ 24V Max	

Switching Performance		
Transmission Mode	Store and Forward	
MAC Table Size	8 K	
Packet Buffer Size	4.1 M	
Backplane Bandwidth	24 G	
Max. Frame Length	10 KB	
Physical Characteristics		
IP Rating	IP40	
Dimension (W x D x H)	42 x 120 x 150 mm	
Weight	1600 g	
Installation	DIN-Rail Mounted	
Environmental Limits		
Operating Temperature	CTS12MB: -10°C to 60°C	CTS12MA: -40°C to 75°C
Storage Temperature	-40°C to 85°C	
Relative Humidity	0% to 95% (No Condensation)	
Standards and Certifications		
EMI	FCC Part15, CISPR (EN55022) Class A	
EMS	EN61000-4-2 (ESD) Level 3, EN61000-4-3 (RS) Level 3, EN61000-4-4 (EFT) Level 3, EN61000-4-5 (Surge) Level 3, EN61000-4-6 (Radio Frequency Transmission) Level 3, EN61000-4-8 (Power Frequency Magnetic Field) Level 3	
Vibration	IEC 60068-2-6	
Shock	IEC 60068-2-27	
Freefall	IEC 60068-2-32	
Warranty		
Warranty Period	5 Years	

Dimension Drawing:



Ordering Information

CTS12MA-4GSCB	Din-rail Layer 2 Managed, 8 x 100Mbps Copper Port, 4 x 1000Mbps Fiber Port, Multi-mode 2km, SC Interface, Industrial Temperature -40 ~ 75 °C, Dual Power Supply 10.8 ~ 52.8VDC
CTS12MA-4GSTB	Din-rail Layer 2 Managed, 8 x 100Mbps Copper Port, 4 x 1000Mbps Fiber Port, Multi-mode 2km, ST Interface, Industrial Temperature -40 ~ 75 °C, Dual Power Supply 10.8 ~ 52.8VDC
CTS12MA-4GSSCB	Din-rail Layer 2 Managed, 8 x 100Mbps Copper Port, 4 x 1000Mbps Fiber Port, Single-mode 20km, SC Interface, Industrial Temperature -40 ~ 75 °C, Dual Power Supply 10.8 ~ 52.8VDC
CTS12MA-4GSSTB	Din-rail Layer 2 Managed, 8 x 100Mbps Copper Port, 4 x 1000Mbps Fiber Port, Single-mode 20km, ST Interface, Industrial Temperature -40 ~ 75 °C, Dual Power Supply 10.8 ~ 52.8VDC
CTS12MA-4GSFPB	Din-rail Layer 2 Managed, 8 x 100Mbps Copper Port, 4 x 1000Mbps Fiber Port, SFP Interface, Industrial Temperature -40 ~ 75 °C, Dual Power Supply 10.8 ~ 52.8VDC
CTS12MB-4GSCB	Din-rail Layer 2 Managed, 8 x 100Mbps Copper Port, 4 x 1000Mbps Fiber Port, Multi-mode 2km, SC Interface, Industrial Temperature -10 ~ 60 °C, Dual Power Supply 10.8 ~ 52.8VDC
CTS12MB-4GSTB	Din-rail Layer 2 Managed, 8 x 100Mbps Copper Port, 4 x 1000Mbps Fiber Port, Multi-mode 2km, ST Interface, Industrial Temperature -10 ~ 60 °C, Dual Power Supply 10.8 ~ 52.8VDC
CTS12MB-4GSSCB	Din-rail Layer 2 Managed, 8 x 100Mbps Copper Port, 4 x 1000Mbps Fiber Port, Single-mode 20km, SC Interface, Industrial Temperature -10 ~ 60 °C, Dual Power Supply 10.8 ~ 52.8VDC
CTS12MB-4GSSTB	Din-rail Layer 2 Managed, 8 x 100Mbps Copper Port, 4 x 1000Mbps Fiber Port, Single-mode 20km, ST Interface, Industrial Temperature -10 ~ 60 °C, Dual Power Supply 10.8 ~ 52.8VDC
CTS12MB-4GSFPB	Din-rail Layer 2 Managed, 6 x 100Mbps Copper Port, 4 x 1000Mbps Fiber Port, SFP Interface, Industrial Temperature -10 ~ 60 °C, Dual Power Supply 10.8 ~ 52.8VDC
Other Models Are Available Upon Request.	