

# CS118M Series

## 18-port Managed Ethernet Switches



- ▶ Up to 2 GE RJ45 ports and 16 FE fiber ports
- ▶ Support ERPS, STP/RSTP/MSTP for network redundancy
- ▶ IGMP Snooping for filtering multicast traffic
- ▶ Port-based VLAN, IEEE 802.1Q VLAN, and GVRP to ease network planning
- ▶ Port Trunking for optimum bandwidth utilization
- ▶ RADIUS, TACACS+, SNMPv3, IEEE 802.1X, HTTPS and SSH to enhance network security
- ▶ QoS (IEEE 802.1p/CoS) and ToS/DiffServ to increase determinism
- ▶ SNMPv1/v2c/v3 for different levels of network management
- ▶ RMON for efficient network monitoring and proactive capability
- ▶ Support port mirroring
- ▶ Bandwidth management prevents unpredictable network status
- ▶ Lock port function for blocking unauthorized access based on MAC address
- ▶ Automatic alarm through e-mail, relay out
- ▶ User friendly UI and command command Line Interface (CLI) for quickly configuring major managed functions
- ▶ All port anti-lighting (6KV)
- ▶ 3KV isolation protection
- ▶ Ip30 protection, metal shell
- ▶ PoE/PoE+ option



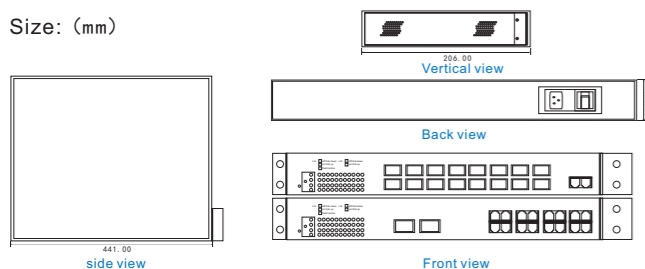
## Overview:

CS118M Series is an 18-port Ethernet switches that is ideal to update network or built a new network. Up to 16 fiber ports can help improve the infrastructure of your network control center. No fan, low consumption and industrial grade design. More steadily work capability. Redundant Ethernet ERPS, RSTP/STP, and MSTP increase system reliability and the availability of your network backbone.

The CS118M series is rated to operate at temperatures ranging from -20 to 60°C, and undergoes a 100% burn-in test to ensure that they fulfill a reliable running.

## Dimensions:

Size: (mm)



## Order information:

Model No	Description	
		10/100BaseT(X)
WT-CS-80216_G	16	2
	10/100/1000BaseT(X)	1000BaseF(X) or SFP
WT-CS-81602_G	2	16

## Specifications:

<b>Protocols</b>	IGMPv1/v2/v3, GMRP, GVRP, SNMPv1/v2c/v3, DHCP Server/Client, DHCP Option 66/67/82, BootP, TFTP, SNTP, SMTP, RARP, RMON, HTTP, HTTPS, Telnet, SSH, Syslog, EtherNet/IP, PROFINET, Modbus/TCP, SNMP Inform, LLDP, IEEE 1588 PTP V2, IPv6, NTP Server/Client
<b>MIB</b>	MIB-II, Ethernet-Like MIB, P-BRIDGE MIB, Q-BRIDGE MIB, Bridge MIB, RSTP MIB, RMON MIB Group 1, 2, 3, 9
<b>Flow Control</b>	IEEE 802.3x flow control, back pressure flow control
<b>Switch Properties</b>	Priority Queues: 4 Max. Number of Available VLANs: 64 VLAN ID Range: VID 1 to 4094 IGMP Groups: 256 MAC Table size: 4K Packet Buffer Size: 2.75 Mbit
<b>Interface</b>	Rj45 Port: 10/100/1000BaseT(X) auto connection, Full/Half duplex or force work mode, and support MDI/MDI-X connection Fiber Port: 100BaseF(X) ports (SC/ST optional, SFP optional) Console port: RS-232 (RJ45 connector) LED Indicators: PWR, L/A, SPD, PoE(option)
<b>Power Requirement</b>	Input Voltage: 110/220 VAC (85 ~ 264 VAC) Input Current: 0.25A (@110VAC/VDC) Connection: 3 bits terminal block Overload Current Protection: Present
<b>Physical Characteristics</b>	Housing: IP30 protection, Metal case Dimensions: 441mm*206mm*45mm (17.36 x 8.11 x 1.77 in) Installation: 19" 1U rack Weight: 2400g
<b>Environmental Limits</b>	Operating Temperature: -20 ~ 60 °C ( - 4 ~ 140 °F) Storage Temperature: -40 ~ 85 °C ( - 40 ~ 185 °F) Ambient Relative Humidity: 5 ~ 95% (non-condensing)
<b>Standards</b>	EMI : FCC Part 15 Subpart B Class A, EN 61000-6-4(Industrial) EMS: EN 61000-6-2 (Industrial), EN 61000-4-2 (ESD) Level 4, EN 61000-4-3 (RS) Level 3, EN 61000-4-4 (EFT) Level 4, EN 61000-4-5 (Surge) Level 4, EN 61000-4-6 (CS) Level 3, EN 61000-4-8, IEEE 1613 Shock: IEC 60068-2-27 Freefall: IEC 60068-2-32 Vibration: IEC 60068-2-6 MTBF (mean time between failures) : 305,000 hrs IEEE 802.3 for 10Base-T IEEE 802.3u for 100Base-TX IEEE 802.3ab for 1000Base-T IEEE 802.z for 1000Base-X IEEE 802.1D for Spanning Tree Protocol IEEE 802.1w for Rapid Spanning Tree Protocol IEEE 802.1s for Multiple Spanning Tree Protocol IEEE 802.1Q for VLAN Tagging IEEE 802.1p for Class of Service IEEE 802.1X for Authentication IEEE 802.3ad for Port Trunk with LACP IEEE 802.3x for Flow Control
<b>Warranty</b>	5 years