

OC-7M3008

8x10/100/1000Base-TX



Brief introduction

OC-7M3008 is a new generation industrial Power over Ethernet Managed switch with 8-Port 10/100/1000Base-TX that provide stable and reliable Ethernet transmission offered by Opticombine, with high quality design and reliability. It is positioning in the broadband network intervention market, to offer and realize Ethernet data exchange, convergence and long-distance optical transmission with efficient bandwidth and reliable fiber optic network solutions for users. The industrial switch complies with various characteristics such as mini size, no fan, low power consumption, high reliability and stability, and easy to maintain.

With dual power input design, OC-7M3008 can offer redundant mechanisms for critical applications that need always-on connections. It can also operate either at standard operating temperature range -40 to 75°C. Housed in rugged DIN rail or wall mountable IP40 enclosures, these switches are perfect choices for harsh environments, such as industrial networking, intelligent transportation systems (ITS) and are also suitable for many military and utility market applications where environmental conditions exceed commercial product specifications.

Features

- >8x10/100/1000Base-TX RJ45 ports,
- >Support Auto-MDIX, and full/half duplex self-negotiation mode
- >Provide SC/FC/ST/LC interface fiber port, support single/dual fiber transmission
- >Support 10K bytes giant frame, compatible with various extension protocol
- >8K MAC address table
- >Support IEEE802.3az energy efficient Ethernet technology
- >Support IPv6 Protocol
- >Electric 8KV surge protection, easy to use in outdoor environment
- >Complete status indicator, working state at a glance
- >Power input polarity protection design, no worry about wrong operation
- >Aluminum case, no fan design
- >Installation method: DIN rail /Wall mounting

Specification

Physical Port

RJ45 Port and Speed

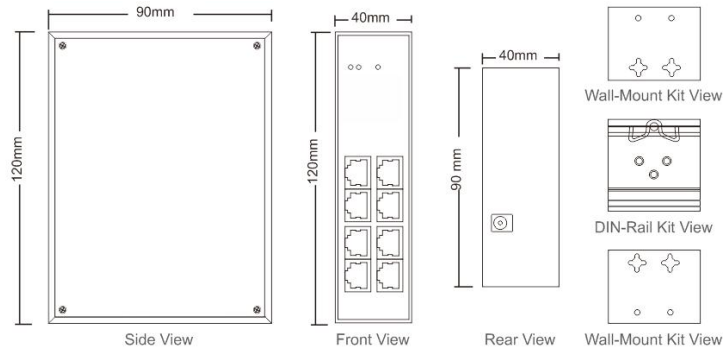
8x10/100/1000Base-TX

Parameters

Ethernet Standards	IEEE802.3 IEEE802.3u IEEE802.3z IEEE802.3ab IEEE802.3x IEEE802.3az IEEE802.3Qad IEEE802.3ah IEEE802.1X IEEE802.1Q IEEE1588
Packet Buffer	4M
Maximum Packet Length	Up to 10K
MAC Address Table	8K
Transmission Mode	Store and Forward (full/half duplex mode)
Exchange Property	Delay time: < 7 μ s Backplane bandwidth: 20Gbps; Packet forwarding rate: 14.88Mpps
PoE (Optional)	
PoE Standard	8x IEEE 802.3af/IEEE 802.3at PoE
Power Budget	Max. PoE output power budget 30W
LED Indicator	
Power	Connect-always
RJ45	Link/Act: connect-always; data exchange-twinkle
Fiber	Link/Act: connect-always; data exchange-twinkle
Power Information	
Power Access Mode	Phoenix terminal, DC seat
Redundant Power Input	DC 9-56V
Overload Protection	Yes
Power Reverse	Support
Power Consumption	Full-load<15W
Physical Property	

Protection Grade	IP40 aluminum case
Cooling Mode	Natural cooling, no fan design
Dimensions	138mm x 108mm x 49mm (L x W x H)
Installation Mode	DIN rail/wall-mountable
Weight	600g (With PoE: 650g)
Working Environment	
Operating Temperature	-40°C~75°C
Operating Humidity	5%~90% non-condensing
Storage Temperature	-40°C~85°C
Warranty	
MTBF	500,000 hours
Defects Liability Period	3 year warranty, lifetime technical support
Certification Standard	
EMC	FCC Part15 Class A CE-EMC/LVD RoHS EN61000-4-2 (ESD), EN61000-4-3 (RS) EN61000-4-4 (EFT), EN61000-4-5 (Surge) EN61000-4-6 (CS), EN61000-4-8 EN61000-4-11
Vibration	IEC60068-2-6 -40~75°C High and Low Temperature Test IP40 Protection Test

Dimensions



Package List

- 1 x Fiber Switch
- 1 x Rail Mounting Kit
- 1 x Wall Mount Kit
- 1 x Warranty Card

Specification

Software Features

Redundant network:
STP, RSTP, MSTP, IT--T G.8032 Ethernet Ring Protection Switching (ERPS) for redundant cabling

ERPS/ Ring for Redundant Cabling, recovery time<20ms in 250 devices

Multicast: IGMP snooping V1/V2/V3

VLAN: IEEE 802.1Q 4K VLAN, GVRP, GMRP, QINQ

Link Aggregation: Dynamic IEEE 802.3ad LACP Link Aggregation, Static Link Aggregation

Management Function: CLI, Web based management, SNMP v1/v2c/v3, Telnet/SSH server for management

Diagnostic Maintenance: Port mirroring, Ping

Alarm management: 1 way relay alarm output, RMON, SNMP Trap RMON, MIB II, Port mirroring, Event syslog, DNS, SNTP, IEEE 802.1ab LLDP

Security: DHCP Server/Client/Relay option 82/Snooping User hierarchical management

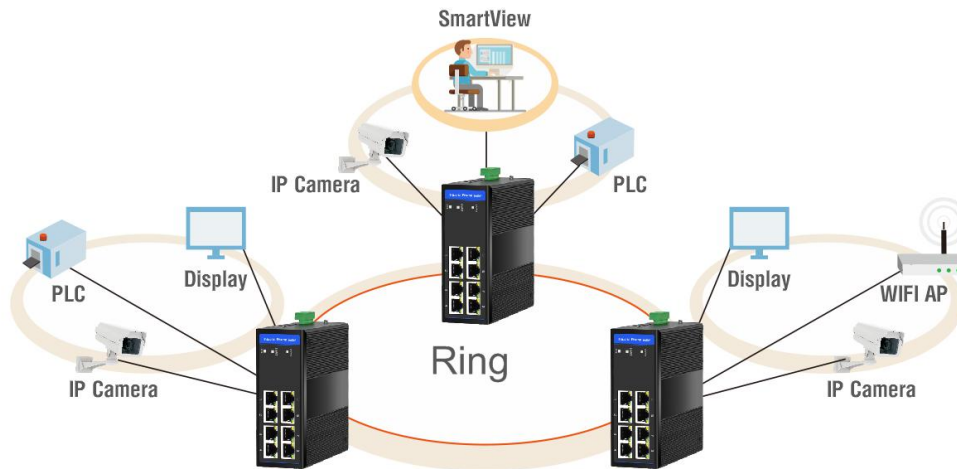
Flexibility security: Port based and MAC based IEEE 802.1X, ACL, HTTP/HTTPS, SSL/SSH v2

Data control Port-based ingress/egress speed limit, Full duplex IEEE 802.3x, half duplex back-pressure flow control.

Broadcast storm suppression, Unknown-Multicast suppression and Unknown-Unicast suppression

Software upgrade via HTTP, redundant firmware to avoid upgrade failure

Application



Order information

Model Number	Port Description
OC-7M3202	Managed, Industrial Ethernet Switch, 2 x 10/100/1000M Base-TX + 2 x 100/1000M Base-FX SFP
OC-7M3204	Managed, Industrial Ethernet Switch, 4 x 10/100/1000M Base-TX + 2 x 100/1000M Base-FX SFP
OC-7M3206	Managed, Industrial Ethernet Switch, 6 x 10/100/1000M Base-TX + 2 x 100/1000M Base-FX SFP
OC-7M3108	Managed, Industrial Ethernet Switch, 8 x 10/100/1000M Base-TX + 1 x 100/1000M Base-FX SFP
OC-7M3208	Managed, Industrial Ethernet Switch, 8 x 10/100/1000M Base-TX + 2 x 100/1000M Base-FX SFP
OC-7M3008	Managed, Industrial Ethernet Switch, 8 x 10 100 1000M Base-TX
OC-7M3202P	Managed, Industrial Ethernet Switch, 2 x 10/100/1000M Base-TX + 2 x 100/1000M Base-FX SFP/ 2xPoE
OC-7M3204P	Managed, Industrial Ethernet Switch, 4 x 10/100/1000M Base-TX + 2 x 100/1000M Base-FX SFP/ 4xPoE
OC-7M3108P	Managed, Industrial Ethernet Switch, 8 x 10/100/1000M Base-TX + 1 x 100/1000M Base-FX SFP/ 8xPoE
OC-7M3008P	Managed, Industrial Ethernet Switch, 8 x 10/100/1000M Base-TX / 8xPoE