

# CHSW-5M3208-P



CHSW-5M3208-P is a new generation industrial Power over Ethernet Managed switch with 8-Port 10/100/1 ODO Base-TX and 2-Port 100/1000 Base-FX Fast SFP that provide stable and reliable Ethernet transmission offered by Chimera, 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. CHSW -5M3 208-P can offer redundant mechanisms for critical applications that need always-on connections. It can also operate either at stand hard 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 (IT S ) and are also suitable for many military and utility market applications where environmental conditions exceed commercial product specifications.



## Key Features

- 8x10/100/1000Base-TX, 2x100/1000 Base-FX SFP / 8xPoE
- Support Auto-MDIX, and full/half duplex self-negotiation mode
- Provide S C/F C/ST/LC interface fiber port, support single/dual fiber transmission
- Support 1 OK bytes giant frame, compatible with various extension protocol
- BK MAC address table
- Support IEEE802.3az energy efficient Ethernet technology
- Support IPv6 Protocol
- Electric 4KV 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 trail /Wall mounting

## Specification



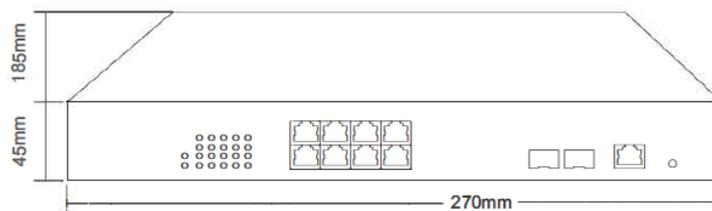
Physical Port	
RJ45 Port and Speed	8x10/100/1 ODO Base-TX
Fibre Port and Speed	2x100/1000Base-FX SFP
Parameters	
Ethernet Standards	IEEE802.3 IEEE802.3u IEEE802.3z IEEE802.3ab IEEE802.3x IEEE802.3az IEEE802.3Qad IEEE802.3ah IEEE802. 1X IEEE802.1Q IEEE1588
Packet Buffer	4M
Maximum Packet Length	Up to 10K
MAC Address Table	8K
Transmission Mode	Store and Forward (Full/Half Duplex Mode)
Exchange Property	Delay Time: < 7µs Backplane Bandwidth: 20Gbps; Packet Forwarding Rate: 14. 88Mpps

European Standards | Best Performance & Guaranteed Reliability | Lifetime Warranty | Fully Compliant With MSA

+44 (0) 845 130 1585 | sales@megnet.co.uk | www.megnet.co.uk

<b>PoE</b>	
PoE Standard	Bx IEEE 802.3af/IEEE 802.3at PoE
Power Budget	Max. PoE output power budget 30W
<b>LED Indicator</b>	
Power	Connect-always
RJ45	Link/Act: Connect-Always; Data Exchange-Twinkle
Fibre	Link/Act: Connect-Always; Data Exchange-Twinkle
<b>Power Information</b>	
Power Access Mode	Phoenix terminal, DC seat
Redundant Power Input	DC 9-56V
Overload Protection	Yes
Power Reverse	Support
Power Consumption	Full-Load<15W (PoE Max 120W)
<b>Physical Property</b>	
Enclosure	Metal
Cooling Mode	Natural cooling, no fan design
Dimensions	270mm x 185mm x 45mm (L x W x H)
Installations Mode	DIN Trail/Wall-Mountable
Weight	1.65kg (With PoE: 1.7kg)
<b>Working Environment</b>	
Operating Temperature	0°C~50°C
Operating Humidity	5%~90% Non-Condensing
Storage Temperature	-10°C~70°C
<b>Warranty</b>	
MTBF	500,000 Hours
Defects Liability Period	3 year warranty, lifetime technical support
<b>Certification Standard</b>	
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

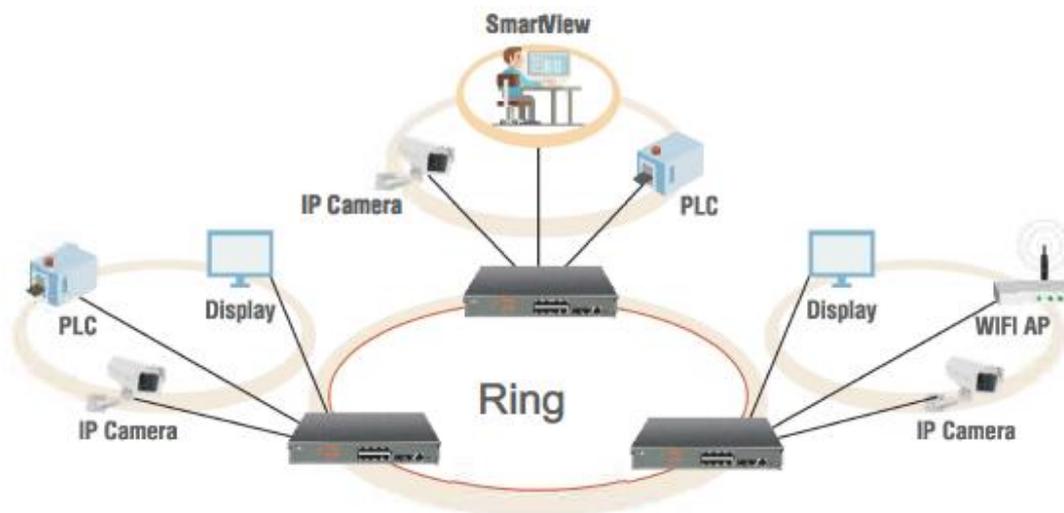
## Dimensions



## 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
Models and specification can change without prior notice.

## Application



## Specification models

Model Number	Port Description
CHSW-5N3216-P	PoE Switch, 16 x 10/100/1000M Base-TX+ 2 x 100/1000M Base-FX SFP / 16xPoE
CHSW-316P-2GC	PoE Switch, 16 x 10/100M Base-TX+ 2 x Combo Gigabit (TP+SFP) / 16xPoE
CHSW-324P-2GC	PoE Switch, 24 x 10/100M Base-TX+ 2 x Combo Gigabit (TP+SFP) / 24xPoE
CHSW-316GP-2GC	PoE Switch, 16 x 10/100/1 DOOM Base-TX + 2 Combo Gigabit (TP+SFP) / 16xPoE
CHSW-5N34C24-P	PoE Switch, 24 x 10/100/1000M Base-TX+ 2 x Combo Gigabit (TP+SFP) / 24xPoE
CHSW-3208GP-SFPG2	PoE Switch, Managed, 8 x 10/100/1000M Base-TX+ 2 x 100/1000M Base-FX SFP / 8xPoE
CHSW-3216GP-GC4	PoE Switch, Managed, 16 x 10/100/1000M Base-TX+ 2 x Combo Gigabit (TP+SFP) / 16xPoE
CHSW-3224GP-GC4	PoE Switch, Managed, 24 x 10/100/1000M Base-TX+ 2 x Combo Gigabit (TP+SFP) / 24xPoE
CHSW-316GP-2GC	PoE Switch, 16 x 10/100/1000M Base-TX+ 2 x 100/1000M Base-FX SFP
CHSW-316P-2GC	PoE Switch, 16 x 10/100M Base-TX+ 2 x Combo Gigabit (TP+SFP)
CHSW-324P-2GC	PoE Switch, 24 x 10/100M Base-TX+ 2 x Combo Gigabit (TP+SFP)
CHSW-316GP-2GC	PoE Switch, 16 x 10/100/1000M Base-TX+ 2 Combo Gigabit (TP+SFP)
CHSW-324GP-2GC	PoE Switch, 24 x 10/100/1000M Base-TX+ 2 x Combo Gigabit (TP+SFP)
CHSW-3208GP-SFPG2	PoE Switch, Managed, 8 x 10/100/1000M Base-TX+ 2 x 100/1000M Base-FX SFP
CHSW-3216GP-4GC	PoE Switch, Managed, 16 x 10/100/1000M Base-TX+ 4 x Combo Gigabit (TP+SFP)
CHSW-3224GP-4GC	PoE Switch, Managed, 24 x 10/100/1000M Base-TX+ 4 x Combo Gigabit (TP+SFP)