

# CP-ANW-GPM8F2T-N12

## 8 Port Gigabit + 2 Port Gigabit SFP Managed Industrial PoE Switch

- Supports IEEE 802.3i, IEEE 802.3u, IEEE802.3ab, IEEE802.3az, IEEE802.3at, IEEE802.3af.
- 8× gigabit PoE+ ports and 2× gigabit SFP provide high-speed connections.
- 8× 802.3at/af-compliant PoE+ ports.
- Power Budget: 120W.



### System Overview

As most of the CP PLUS products have been integrated with the Power of Ethernet technology which makes troubleshooting easier in case any errors occur. This can be done with the help of a PoE Switch makes increases reliability rapidly.

### Functions

#### Higher Bandwidth

2 Gigabit SFP (Combo) Uplink Port for higher bandwidth connections. Power supply with a power budget of 120 watts .



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### Functions

#### Better Connectivity

This PoE Switch has designed for outstanding power with flexible placement for better and advanced connectivity between network devices.

#### Switching Performance

This PoE Switch offers the forwarding capacity to simultaneously process traffic on all ports at line rate without any packet loss.

#### Easy to Use

This PoE Switch is quite easy to install and use. It requires no configuration and installation. With outstanding performance and quality, this AI PoE Switch is a great selection for expanding your home or workplace network.

### About CP PLUS

The brand that is on its way to lead the world when it comes to the security and surveillance industry, CP PLUS, keeps bombarding the market with the most reliable range of products that have been designed carefully and methodically to automate the whole surveillance and security process, no matter how big your premises are.

It was the initiative to help the public in the area where they are the most vulnerable and to empower the sense of safety in our hearts that had conceptualized CP PLUS. And embarking on its mission to make the world a safer and more secure place has taken the brand's journey to unprecedented levels even when compared to international competitors.



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## 8 Port Gigabit + 2 Port Gigabit SFP Managed Industrial PoE Switch

Feature	Specification
Network Port	8 x 10/100/1000Mbps ports 2 x 1000Mbps SFP ports 1x Console port 1 group of alarm output and relay output can define various custom condition trigger
Network Standard	IEEE 802.3i, IEEE 802.3u, IEEE802.3ab, IEEE802.3x, IEEE802.3az, IEEE802.3af, IEEE802.3at
Twisted Pair Transmission	10BASE-T: Cat3,4,5 UTP(≤100 meter) 100BASE-TX: Cat5 or later UTP(≤100 meter) 1000BASE-T: Cat5 or later UTP(≤100 meter)
Optical Cable	Multi mode: 850nm 0 ~ 550M, Single mode: 1310nm 0 ~ 40KM, 1550nm 0 ~ 120KM
Transfer Method	Store-and-Forward
MAC Address Table	8K
Switching Capacity	20Gbps
Forwarding Rate	14.88Mpps
Packet Buffer	4Mbit
Jumbo Frame	12K Bytes
Indicator	Network Indicator: Link (yellow) SFP Indicator: L/A (green) PoE Indicator: PoE (green) System indicator: SYS (green)
Power Budget	Maximum (PoE on): 120W
Power Supply Pin	Only support 1/2 (+), 3/6 (-) 4-core power supply
Max/Average Power Port	30W per Port
Power Input	Dual DC 48~55V, Suitable Industrial Grade Power Supply

Feature	Specification
Power Consumption	Standby: <10W; Full load: <240W
Lightning Protection	<p>Lightning protection: 6KV 8/20us; Protection level: IP40            IEC61000-4-2(ESD):±8kV contact discharge,±15kV air discharge            IEC61000-4-3(RS):10V/m(80~1000MHz)            IEC61000-4-4(EFT): power cable:±4kV; data cable:±2kV            IEC61000-4-5(Surge):power cable:CM±4kV/DM±2kV; data cable:±4kV            IEC61000-4-6(radio frequency transmission):10V(150kHz~80MHz)            IEC61000-4-8(power frequency magnetic field):100A/m;1000A/m ,1s to 3s            IEC61000-4-9(pulsed magnet field):1000A/m            IEC61000-4-10(damped oscillation):30A/m 1MHz            IEC61000-4-12/18(shockwave):CM 2.5kV,DM 1kV            IEC61000-4-16(common-mode transmission):30V; 300V,1s            FCC Part 15/CISPR22(EN55022):Class A            IEC61000-6-2(Common Industrial Standard)</p>
Mechanical Properties	<p>IEC60068-2-6 (anti vibration)            IEC60068-2-27 (anti shock)            IEC60068-2-32 (free fall)</p>
Port	<p>Support IEEE802.3x flow control (full duplex)            Support for broadcast storm suppression based on port rate            Support speed limit for incoming and offline message traffic, with a minimum particle size of 64Kbps            Support port temperature protection settings            Support port EEE green Ethernet energy saving configuration</p>
PoE Management	<p>Support total power limit configuration for PoE power supply            Support PoE output power allocation per port, close / start af/at            Support PoE output priority configuration per port            Support PoE work status per port display            Support PoE work and time scheduling</p>
VLAN	<p>Support port based VLAN (4K), IEEE802.1q            Support protocol based VLAN            Support Voice VLAN            Support for MAC address-based VLANs            Support Access, Trunk, Hybrid three types of port configuration            QinQ; Generic VLAN Registration Protocol (GVRP)</p>
Resiliency	Loop back detection; IEEE 802.1 AB for Link Layer Discovery Protocol (LLDP); EAPS/ERPS

Feature	Specification
Layer 3 Function	L2+ network management function Support IPV4/IPV6 management Support layer3 soft routing (weak three tier) forwarding Support different network segments, communication between different VLAN Support static routing / default routing 128, 1024 ARP software forwarding
Port Aggregation	Support LACP Support static polymerization Support the largest 8 aggregation groups; each aggregation group supports 8 ports
Spanning Tree	Support STP (IEEE802.1d) Support RSTP (IEEE802.1w) Support MSTP (IEEE802.1s)
Industrial Ring Network Protocol	Support G.8032 (ERPS), support 255 loops at most, and supports 1024 devices per ring The self healing time of the ring network is less than 20ms
QoS	Support Diff-Serv QoS Each port supports 8 output queues Support 802.1p/DSCP priority mapping Support queue scheduling mechanism (SP, WRR, SP+WRR) Support priority tag Mark/Remark Support stream based packet filtering Support for stream based redirection Strict Priority, Weighted Round Robin or Mixed Scheduling; Tail-Drop, WRED
Safety Characteristics	Support user grading management and password protection Support AAA&RADIUS authentication Support the number of MAC address learning restrictions Support IEEE802.1X authentication / centralized MAC address authentication Support MAC address black hole Support SSH 2.0 to provide secure passwords for user login Support SSL to ensure data transmission security Support port isolation Support the speed limit function of ARP message Support IP source address protection Support ARP intrusion detection function Support against DoS attacks Support port broadcast message suppression Support host data backup mechanism Binding capabilities of IP+MAC+VLAN+ ports

Feature	Specification
Security	Port Isolation; Port and MAC-based 802.1x Authentication; DoS attack protection
IPv6 Features	ICMPv6, DHCPv6, ACLv6, IPv6 Telnet, IPv6 Neighbour Discovery
Multicast	Support IGMP Snooping V1/V2 and support 1024 multicast groups at most Support the user's quick departure mechanism Support MLD Snooping V1/V2 Support multicast VLAN IPv4/IPv6 shared multicast groups
ACL	Support L2 to L4 packet filtering function, match the first 80 bytes of the message Provide based on the source MAC address, destination MAC address, source IP address, destination IP address, IP Protocol type, TCP/UDP port, TCP/UDP port range, VLAN and other definition ACL Support ACL based on port and VLAN
Mirror	Bi-directional traffic mirroring supporting the basic port
DHCP	Support DHCP Client Support DHCP Snooping DHCP option82 DHCP Relay
Management And Maintenance	Support Console/AUX Modem/Telnet/SSH2.0 CLI command line configuration Support WEB network management (HTTPS) Support FTP, TFTP, xmodem, SFTP file download management Support SNMP V1/V2C/V3 Support one bond reduction Support NTP clock Support system work log Support Ping detection Support cable state detection Support CPU instant utilization status view Support link layer discovery protocol LLDP center RMON 1,2,3,9 Groups; One-to-One and Many-to-One Port Mirroring; LLDP and LLDP-MED; Syslog
Operating Temperature	-40 ~ +75°C
Operating Humidity	5%~90% RH Non condensing
Storage Temperature	-40 ~ +85°C
Storage Humidity	5%~95% RH Non condensing

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Feature	Specification
Dimension	155mm (L) x 114.1mm (W) x 51.7mm (H)
Weight	<1.4Kg



*\*Product casing and specifications are subject to change without prior notice*