⊠ **CP PLUS**

CP-ANW-GPM8F4T-N30

8x Gigabit PoE with 4x SFP Uplink, Managed, Industrial

- Supports IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE802.3i, IEEE802.3z, IEEE802.3x
- 10/100/1000BaseT (x) automatic detection, full / half duplex MDI/MDI-X adaptive
- 1 RS232 console port.
- LED indicators.
- Support Store and Forward.

System Overview

As most of the CP PLUS products have been integrated with the PoE switch 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

Switching Performance

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

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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.

Easy to Use

This switch supports plug-and-play installation for quick device connectivity. An intuitive web-based interface enables easy configuration, monitoring, and port management. Clear LED indicators provide instant status of power, PoE, and network activity, ensuring smooth and reliable operation.

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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Feature	Specification
Network Port	8 x 10/100/1000Mbps RJ45 ports+4x1000Mbps SFP 1xRS232 console port(115200,N,8,1) 2 sets of V+, V- redundant DC power interface (4 Pin Phoenix terminal)
PoE Port	Port 1-8 can support IEEE802.3af/at PoE standard
Network Standard	IEEE 802.3 10BASE-T IEEE 802.3u 100BASE-TX/FX IEEE 802.3ab 1000BASE-TX IEEE802.3i 10Base-T IEEE802.3z 1000Base-X IEEE802.3x
Ethernet Port Feature	10/100/1000BaseT (X) automatic detection, full / half duplex MDI/MDI-X adaptive
SFP Port Characteristic	Gigabit SFP optical fibre interface, default matching optical modules, need to buy separately, (optional order mode / multi-mode, single fibre / double fibre optical module
Forwarding Mode	Store and Forward (Full Wire Speed)
MAC Address Table	8K
Switching Capacity	24Gbps
Packet Forwarding Rate	17.856Mpps
Packet Buffer Memory	4.1Mbit
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.
Indicator	Link/Act (green); Power Indicator: green
Mirror	Bi-directional traffic mirroring supporting the basic port

Feature	Specification
Lightning Protection	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:±2kV; data cable:±2kV IEC61000-4-5(Surge):power cable:CM±2kV/DM±1kV; 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)
Mechanical Properties	IEC60068-2-6 (anti vibration), IEC60068-2-27 (anti shock), IEC60068-2-32 (free fall)
Port	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 IEEE green Ethernet energy saving configuration
Layer 3 Function	L2+ network management function, Support IPV4/IPV6 management
VLAN	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
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
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

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Feature	Specification
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, Support flow based speed limit
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
Safety Characteristics	Support user grading management and password protection Support IEEE802.1X authentication / centralized MAC address authentication Support AAA&RADIUS authentication Support the number of MAC address learning restrictions 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
DHCP	Support DHCP Client, Support DHCP Snooping
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 centre
System Requirements	Web browser: Mozilla Firefox 2.5 or higher, Google browser chrome V42 or higher, Microsoft Internet Explorer10 or later, Cat5e or later Ethernet cable, TCP/ IP, network adapter and network operating system (Microsoft Windows, Linux or Mac OS X) installed on every computer in the network.

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Feature	Specification
Power Supply Pin	Only support 1/2 (+), 3/6 (-) 4-core power supply
Max/Average Power Port	30W per port
Power Consumption	Standby: <10W (NOT PoE); Full load: <250W (with PoE)
Operating Temperature	-40~ +75°C
Operating Humidity	5%~90% RH Non condensing
Storage Temperature	-40~+85°C
Storage Humidity	5%~95% RH Non condensing
Dimensions	149.2mm (L) x 122mm (W) x 50mm (H)
Weight	<1.2Kg

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