

# CP-ANW-GPM16F2-N24

## 16 Port Managed PoE Switch with 2 SFP Uplink Ports

- 16x10/100/1000Mbps RJ45 ports, 2x1000Mbps SFP fiber ports
- IEEE 802.3i,802.3u,802.3ab,802.3x,802.3az,802.3at,802.3af
- Support IPV6, ACL, SNMP, SSL
- Support RSTP/MSTP spanning tree
- Gigabit L2+ managed switch
- Flow Control: 802.3x (Full-duplex), Back-Pressure (Half-duplex)
- PoE Function: Power, Current, Voltage, PoE Watch Dog



### 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

#### Reliable Switching Performance

This Ethernet Switch by CP PLUS offers the forwarding capacity to simultaneously process traffic on all ports at a stable 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.

### LED Indicator

LED lights have been installed in this Ethernet Switch to work as indicators for you to realize simple work state-ment reminders and clear the troubles.

### Switching Performance

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

### Supports Full Duplex Mode

The duplex mode makes this Ethernet Switch capable of sending and receiving information at the same time, enabling bi-directional network data transmissions to save time and money.

## 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 Standard	IEEE 802.3i,802.3u,802.3ab,802.3x,802.3az,802.3at,802.3af
Switching Capacity	36Gbps
Packet Forwarding Rate	26.784Mpps
PoE Ports	RJ45 ,16xPoE ports compliant with 802.3af/at
Network Ports	16x10/100/1000Mbps RJ45 ports, 2x1000Mbps SFP fiber ports or1x Console port
MAC Address List	8K
Packet Buffer	4.1Mbit
Jumbo Frame	10KBytes
PoE Pin Definition	1/2(+),3/6(-)
Transfer Method	Store-and-Forward
Indicator	Electrical port indicator, optical port indicator, power input indicator, system running indicator
VLAN	<p>Surveillance VLAN: 16 OUI Mode (Auto/Manual)</p> <p>Voice VLAN: 16 OUI Mode (Auto/Manual)</p> <p>QinQ (IEEE 802.1ad): Basic</p> <p>GARP VLAN Registration Protocol (GVRP)</p> <p>4096 Static VLAN</p> <p>IEEE 802.1Q Tagged-based</p> <p>8 groups Protocol-based</p> <p>256 MAC-based</p>
Quality of Service (QoS)	<p>Trusted QoS</p> <p>Queue Scheduling: WRR, WFQ, Strict Priority, Hybrid(WRR+SP or WFQ+SP)</p> <p>Class of Service: Port-based, 802.1p, IP TOS Precedence, IP DSCP</p> <p>Rate Limit: Port-based (Ingress/Egress)</p>

Feature	Specification
Management	<p>CLI: 3 sessions Console, 3 sessions Telnet (RFC854)</p> <p>WebUI: HTTPS , SNMP(v1,v2c,v3)</p> <p>File Management: Firmware Upgrade/Backup, Dual Images, Configuration Download/Backup, Multiple Configurations</p> <p>Upload/Download: TFTP (RFC783), HTTP, UART</p> <p>Time Management: Local, SNTP</p> <p>Port Management: Friendly Port Name (Port Description), Error Disabled Recovery</p> <p>Line Management: Console, Telnet (RFC854), SSH v1/v2</p> <p>DHCP: Client , DNS: Client ,Software Reset Button ,IEEE (802.3az)</p> <p>32 entries / type RMON Management</p>
Package Content	AC Power Cable,User Manual
Network Media (Cable)	<p>10Base-T: UTP category 3, 4, 5 cable (maximum 100m)</p> <p>100Base-Tx: UTP category 5, 5e cable (maximum 100m)</p> <p>1000Base-T: UTP category 5e, 6 cable (maximum 100m)</p> <p>1000Base-X:MMF,SMF</p>
L3 Switching Features	<p>Static Routing: IPv4/IPv6,</p> <p>Address Resolution Protocol (ARP): Static ARP</p>
L2 Switching Features	<p>8K MAC Address Table</p> <p>10K (10000) Jumbo Frame</p> <p>Flow Control: 802.3x (Full-duplex), Back-Pressure (Half-duplex)</p>
Multicast	<p>Common: 256 Multicast Groups, Immediate Leave, Static/Forbidden Router Port, Static/Forbidden Forward Port, 128 profiles Filtering, Throttling</p> <p>IGMP Snooping: IGMP v1/v2, IGMP v3 Basic (BISS), IGMP v2/v3 Querier</p> <p>MLD Snooping: MLD v1/v2</p>
Access Control List (ACL)	<p>PoE Function: Power, Current, Voltage, PoE Watch Dog</p> <p>Access Rules: 1024</p>

Feature	Specification
Security	<p>AAA Authentication , 8 TACACS+ , 8 RADIUS</p> <p>Authentication Manager: IEEE 802.1X, MAC Auth, Web Auth, Guest VLAN, Port-based, Host-based</p> <p>Account Manager: Local Authenticatoin, 8 Multiple User Account, Multi-Level Securiy (Manager/Operator), Password Recovery Procedures</p> <p>Management Access: Management VLAN, 256Management ACL</p> <p>SSL: SSLv2, SSLv3, TLSv1</p> <p>WebUI: HTTPS ,CLI: SSH v1/v2</p> <p>Port Security: 256 Dynamic Lock</p> <p>Storm Control: Broadcast, Unknown Multicast, Unknown Unicast</p> <p>Spanning Tree: BPDU Guard , Protected Port (Port Isolation) , Black Hole MAC</p> <p>CPU Defence Engine , DoS Prevention , DHCP Snooping (with Option 82)</p> <p>Dynamic ARP Inspection , 256 IP Source Guard , IP/MAC/Port Binding (IMPB)</p> <p>Dynamic VLAN Assignment</p>
IPv6	<p>IPv6 Host: Auto Configuration, Static IPv6 Address and Prefix Length, Static IPv6 Default Gate-way, IPv6 Neighbor Discovery (ND), IPv6 Duplicate Address Detection, ICMPv6</p> <p>IPv6 Application: HTTP/HTTPS, TELNET, SSH, SNMP, TFTP, Syslog, PING, DHCPv6</p>
Discovery	<p>IEEE 802.1AB Link Layer Discovery Protocol (LLDP)</p> <p>ANSI/TIA-1057 LLDP Media Endpoint Discovery (LLDP-MED)</p>
Diagnostics	<p>UDLD , Mirroring: 4 sessions port-based (Many to One)</p> <p>Syslog (RFC3164): Local RAM,Local Flash, 8 Remote Server</p> <p>System Diagnostics: CPU Utilization, Memory Utilization, Port Utilization , Technical Support Log</p> <p>Network Diagnostics: Ping Test, Traceroute</p>
MIB	<p>RFC1213 MIBII (System &amp; Interface groups) , RFC2819 RMON I (1,2,3, &amp; 9 groups)</p> <p>RFC1215 Generic Traps , RFC1493 Bridge , RFC2674 Bridge MIB Extensions , RFC2737 Entity</p>

Feature	Specification
Operating Temperature	0°C~45°C(0°F~113°F)
Storage Temperature	-40°C~70°C(-40°F~158°F)
Storage Humidity	5%~95% non-condensing
Operating Humidity	10%~90% non-condensing
Power Source	AC100~240V 50/60Hz
Power Budget	240W
Dimensions	440mmx190mmx44.5mm