# CP-DNW-GPM24F4-40-L3

24 Port Gigabit + 4 SFP+ Uplink Ports L3 Managed PoE Switch

- Supports IEEE 802.1d, IEEE 802.1w, IEEE 802.1s, IEEE 802.1p, IEEE 802.3, IEEE 802.3u, IEEE 802.3x, IEEE 802.3z, IEEE 802.3ab, IEEE 802.3ae standard .
- Support Spanning Tree Protocol STP/RSTP/MSTP （ERPS), Support loop detection and self-healing, support remote loopback monitoring and control (802.3ah OAM).
- Support multiple VLAN divisions, mac VLAN, protocol VLAN, private VLAN.
- Support IP address + MAC address + VLAN + port binding, support DHCP Snooping, support IP source and DAI protection.
- Compatible with IEEE802.3at (30W) and IEEE802.3af (15.4w) power supply standard.
- Support PoE management, PoE watchdog.
- L3 Management，support DHCP Server, QoS, ACL control, support SNMP V1/V2/V3, support IGMP Snooping v1/v2.
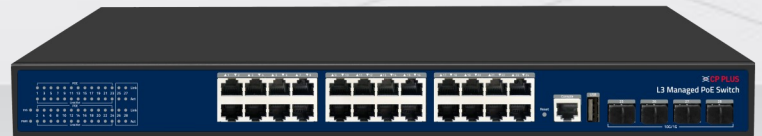
System Overview

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

4 Gigabit SFP (Combo) Uplink Port for higher bandwidth connections. Long distance power supply with a power budget of 440 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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Feature	Specification
Network Port	24 x 10/100/1000Mbps PoE Port 4 x 10G SFP Port 1 x RJ45 Console Port 1 x USB Port
Network Protocol	IEEE 802.3: Ethernet MAC Protocol IEEE 802.3i: 10BASE-T Ethernet IEEE 802.3u: 100BASE-TX Fast Ethernet IEEE 802.3ab: 1000BASE-T Gigabit Ethernet IEEE 802.3z: 1000BASE-X Gigabit Ethernet (optical fiber) IEEE 802.3ae: 10G Ethernet (optical fiber) IEEE 802.3az: Energy-efficient Ethernet IEEE 802.3ad: Standard method of performing link aggregation IEEE 802.3x: flow control IEEE 802.1ab: LLDP/LLDP-MED (Link Layer Discovery Protocol) IEEE 802.1p: LAN Layer 2 Qos/Cos protocol (multicast filtering function) related to traffic priority IEEE 802.1q: VLAN Bridge Operation IEEE 802.1x: Client/Server Access Control and Authentication Protocol IEEE 802.1d: STP IEEE 802.1s: MSTP IEEE 802.1w: RSTP
Capacity Performance	128Gbps
DDR SDRAM	128MB
Flash Memory	16MB
Packet Buffer Memory	12Mbit
Packet Forwarding Rate	95.23Mpps
MAC Address	16K
Jumbo Frame	12K Bytes

Feature	Specification
VLANs	4096
MTBF	100000 hours
PoE Protocol	IEEE802.3af (15.4W) IEEE802.3at (30W)
Network Medium	10Base-T: Cat3, 4, 5 or above UTP/STP(≤100m) 100Base-TX: Cat5 or above UTP/STP(≤100m) 1000Base-TX: Cat5 or above UTP/STP(≤100m) Multi-mode Fiber: 50/125, 62.5/125, 100/140um Single-mode Fiber: 8/125, 8.7/125, 9/125, 10/125um
PWR (Power Indicator)	Light on: Powering Light off: No Power
SYS (System Indicator)	Flash: System booting Light on: System Running
Link/Act Indicator (Port 1-24)	Light on: Link is connected Flash: Data Transmitting Light off: Link is disconnected
PoE Indicator (Port 1-24)	Light on: PoE powering Light off: PoE not powering
Link Indicator (Port 25-28)	Light on: Link is connected Light off: Link is disconnected
Act Indicator (Port 25-28)	Flash: Data Transmitting Light off: No Data Transmitting
Power Budget	Max. 440W
Power Input	100-240VAC, 50/60Hz
Output Voltage & Current	52V 7.54A & 12V 4A dual output
Power Consumption	Product Consumption: 33W PoE Budget: 390W Total Power Consumption: 423W
Operating Temperature	-10 ~ 50°C
Working Humidity	10%~90% (Non-condensing)

Feature	Specification
Storage Temperature	-40°C ~70°C
Storage Humidity	5%~90% (Non-condensing)
Dimensions	440mm(W) x 280mm(D) x 44mm(H)
Net Weight	4.03Kg

Software Specification

Basic Function	Support hardware watchdog, factory reset, system and port LED
	Support global information, statistical information, log information
	Support User management, alarm management, configuration management
	Support Port rate, duplex, flow control, max frame length configuration
	Support Port mirroring, port speed limit, port energy saving
Layer 3 interface	Support three-layer interface
	Support IPv4, IPv6 address configuration
	Support ARP configuration
	Support ND configuration
Layer 3 routing	Support IPv4 static routing
	Support IPv6 static routing
	Support RIP V1/V2
	Support OSPF
DHCP	Support DHCP server
	Support DHCP relay
	Support DHCP Snooping
VLAN	Support 4K VLAN
	Support 802.1Q VLAN, port-based VLAN
	Support Access, Trunk, Hybrid VLAN mode
	Support GVRP (VLAN Registration Protocol)
	Support MAC VLAN, IP VLAN
	Support Voice VLANN
MAC address	Support MAC address automatic learning and aging
	Support Static, dynamic, filtered address table

Security Features	Password protection
	Support Restrict user access based on port number, IP address, MAC address
	Support HTTPS, SSH V1/V2
	Support VLAN-IP-MAC-PORT binding
	Support ARP detection, IP source protection, DoS protection
	Support DHCP Snooping、DHCP Attack protection
	Support 802.1X certification
	Support AAA (Authentication, Authorization, Accounting), Support RADIUS+
	Support Port security, port isolation
Access Control	Support L2(Layer 2) ~ L4(Layer 4) Packet filtering function
	Support Port mirroring, flow rate limiting, QoS remarking
QOS	Support 8 port queues
	Support Port priority, 802.1P priority, DSCP priority
	Support SP, WRR Priority scheduling algorithm
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Spanning Tree	Support STP(IEEE 802.1d), RSTP(IEEE 802.1w) & MSTP(IEEE 802.1s) protocol
	Support Multi-instance, Support Aggregate interface
	Support BPDU Protection
Multicast	Support IGMP v1/v2/v3 Snooping
	Support MLD v1/v2 Snooping
	Support Layer 2 multicast fast leave mechanism, querier
	Support Layer 2 IPv4 static multicast
	Support Layer 2 IPv6 static multicast
	Support IGMP v1/v2/v3 Layer 3 multicast
Storm Suppression	Support multicast suppression
	Support broadcast storm suppression
	Support unknown uni-cast suppression

Ring Protection	Support Ring protection
Link Aggregation	Support Static Aggregation
	Support LACP Dynamic Aggregation
	Support based on IP, MAC, mixed load-balancing modes
	Maximum support 8 aggregation groups (8 ports per aggregation group)
IPv6	Support IPv6 Ping、IPv6 Traceroute、IPv6 Telnet
	Support IPv6 SSH
	Support IPv6 HTTP, IPv6 HTTPS
Management & Maintenance	Support WEB Management (HTTP, HTTPS)
	Support CLI (Telnet, SSH V1/V2, Local serial port)
	Support SNMP V1/V2/V3
	Support RMON V2
	Support LLDP Device discovery
	Support SNTP Time synchronization
	Support CPU Monitoring, Memory Monitoring
	Support System log, classification warning
	Support Ping, Traceroute detection, cable detection