

VERDELON

L3 Managed 24 Port 10G PoE+ Switch

CP-MG-2404-0005



Product Description

The L3 Managed 24 Port 10G PoE+ Switch is a high-performance switch featuring 24 Gigabit PoE+ ports and 4 10G SFP+ uplink ports. Designed for efficient power delivery and seamless networking, it supports advanced features like IPv4/IPv6 static/dynamic routing, VLANs, QoS, and IGMP. With robust security, lightning protection, and ring redundancy protocols (STP/RSTP/MSTP/ERPS), it ensures reliable operation in high-demand environments. It operates in a durable IP30 housing with a built-in 500W PoE power supply. This switch is the perfect solution for enterprise networks.



Ports Interface

RJ45	24x RJ45 PoE ports 10/100/1000Base-TX
Optical	4x 10G SFP+ ports
Console	1x console port
USB	1x USB port
Reset Button	Please and hold for 5-10 seconds to restore factory settings

Ethernet Standards

IEEE 802.3
IEEE 802.3u
IEEE 802.3ab
IEEE 802.3x
IEEE 802.3z
IEEE 802.3ad
IEEE 802.1Q / IEEE 802.1p / IEEE 802.1x / IEEE 802.1ab
IEEE 802.1w / IEEE 802.1d / IEEE 802.1s
PoE IEEE802.3af
PoE+ IEEE802.3at

Power

Power Input	100-240VAC
Maximum Power	500W
Maximum Load Per Port	30W

Physical Properties

Weight	5000g
Dimensions (H x D x W)	45mm x 300mm x 450mm
Mounting	1U Rack mount

Technical Specifications

CPU	800MHz
DRAM	1G
Flash	128Mbits
Packet Buffer Memory	12 Mbits
Backplane Bandwidth	128Gbps
Jumbo Frame	12K Bytes
Address Table	16K MAC addresses
Processing Type	Store and forward

Indicators

Power	Power status (green)
SYS	System status (green)
RJ45	Link/Activity (green)
PoE	PoE status (yellow)
Fiber	Optical port status (green)

Environmental Standards

Rating	IP30
Storage Temperature	-40°C to 75°C
Operating Temperature	-20°C to 55°C
Humidity Tolerance	5%-90%
Lightning Protection	4KV



Management and Maintenance

Web management
SNMP V1/V2/V3
CLI management
RMON 1, 2, 3 & 9
Local logs & SYSLOG
Ping detection
Cable status check
Real time CPU utilization analysis
LLDP
NMS cluster unified management

Routing

Static routing
Dynamic routing
Dual-stack management
RIP v1/v2 & RIPng
OSPF v1/v2
ARP protocol

Redundancy

Loop protection
Spanning tree protocol
STP / RSTP / MSTP / ERP
Self healing time - maximum 20ms

Mirroring

Many to one port mirroring
Bidirectional traffic mirroring

Port

IEEE 802.3x flow control (full and half duplex)
Back pressure flow control
Forced port mode
Broadcast storm
Port storm suppression
Port traffic rate limiting
Port real-time flow intervals
Digital diagnosis for SFP ports (DDM)

VLAN

Port-based VLANs - IEEE 802.1q
Protocol-based VLANs
MAC address-based VLANs
Voice VLANs
Access, trunk & hybrid ports
QinQ configuration
GVRP VLAN protocol

Port Aggregation

Static aggregation
Dynamic aggregation
Maximum 14 aggregation groups
Maximum 8 ports per group

Multicast

IGMP snooping V1/V2/V3
Multicast VLANs
MVR



QoS

802.1p
DSCP/ToS prioritization
Equ / SP / WRR / SP+WRR
Priority mark & remark
Rate limiting
Packet filtering
Redirection

ACL

L2-L4 packet filtering
Define ACL based on MAC address source
Destination MAC address
Source IP address
Destination IP address
TCP/UDP ports
ACL delivery based on ports and VLANs

Security

User hierarchical management
Port based IEEE 802.1x authentication
AAA
Radius
TACACS+
MAC address learning number limit
MAC address black hole and address binding
SSH 2.0
Port isolation
ARP message speed limit
IP source address protection
ARP intrusion detection
Anti-DoS attack
Port broadcast message suppression
Host data backup/restore mechanism
Quaternary binding function for IP, MAC, VLAN & ports

DHCP

Supports DHCP server
DHCP client
DHCP snooping V1/V2/V3

Any questions?

Visit our website at: www.verdelon.com

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