VIP-NET-M3200 L2+Ethernet switch w/ PoE+

The **VIP-NET-M3200** is a video over IP purpose built high-performance L2+Ethernet switch w/ PoE+ 802.3af/at per port 30W and provides L2+ wire speed and management functions. With the flexibility of modular slots supporting up to 32 ports, the VIP-NET-M3200 can be populated with 10G RJ45 modules with PoE, SFP+ modules, and 40G QSFP+ modules. The VIP-NET-M3200 delivers ITU G.8032 ring recovery in less than 20ms. With QoS, IGMP v1/v2/v3, and Jumbo Frame, the VIP-NET-M3200 provides smooth and reliable video over IP transport. Security functions including L2/L3 ingress and egress ACL, port-based DHCP server, and MAC-based DHCP server. Also supported is 802.3ad LACP, LLDP and CDP (Cisco Discovery Protocol) for network scanning.

**Key Features**

- Maximum 32x10G or 24x10G+2x40G
- Port-based IEEE802.1X authentication
- SNMPv1/v2c/v3 for different levels of network management
- Support LLDP and CDP for network discovery protocols
- Redundant dual AC input power 100V to 240V
- Supports IEEE-1588 PTP V2 for precise time synchronization to operate in Ordinary-Boundary**, Peer to Peer Transparent Clock**, End to End Transparent Clock**, Master/Slave mode by each port**
- RMON and MIB II for efficient network monitoring
- Intelligent Auto AV QoS
- IGMP snooping v1/v2/v3, IGMP query and IPv6 MLD snooping v1/v2 for AV network
- Support IEEE802.1q VLAN, port based VLAN and GVRP
- MSTP up to 16 instances and backward compatible RSTP and STP
- Advanced PoE management functions, such as PD detection, scheduling, and health tracking
- Enhanced ITU G.8032 ring protection. Recovery time less than 20ms at max 250 switches for single ring
- WEB based management UI via HTTP/HTTPS. Also provide CLI, SSH, and telnet.
- QoS bandwidth control by 802.1p CoS (Class of service) and Di-Serv for ingress and egress, support addition track storm control
- Dynamic IEEE 802.3ad LACP link aggregation and static link aggregation
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**Hardware Specification**

**STANDARDS**

- IEEE 802.3 10Base-T Ethernet
- IEEE 802.3u 100Base-TX Ethernet
- IEEE 802.3z Gigabit Fiber IEEE 802.3z Gigabit Fiber
- IEEE 802.3ae 10G Ethernet over Fiber
- IEEE 802.3an 10G Copper
- IEEE 802.3x Flow Control Capability
- ANSI/IEEE 802.3 Auto-negotiation
- IEEE 802.1Q VLAN IEEE 802.1p Class of Service
- IEEE 802.1X Access Control
- IEEE 802.1D Spanning Tree
- IEEE 802.1w Rapid Spanning Tree
- IEEE 802.1s Multiple Spanning Tree
- IEEE 802.3ad Link Aggregation Control Protocol (LACP)
- IEEE 802.1AB Link Layer Discovery Protocol (LLDP)
- IEEE 802.1x User Authentication (Radius)
- IEEE 802.3 at/af PoE

**Modular Slots**

**8x 10G RJ45 module w PoE**

VIP-NET-M3200-8RJ45P-10G

(8) 10G RJ45 ports each with 802.3at/af support, PD detection, scheduling, health tracking, front panel LED, web UI, and API diagnostics

**8x 10G SFP+ fiber module**

VIP-NET-M3200-8SFP+10G

(8) 10G SFP+ slot ports with auto insertion detection

**2x 40G QSFP+ fiber module**

VIP-NET-M3200-SFP+40G

(2) 40G QSFP+ slot ports with auto insertion detection

**8x 1G RJ45 module w PoE**

VIP-NET-M3200-SFP+40G

(8) 1G RJ45 ports each with 802.3at/af support, PD detection, scheduling, health tracking, front panel LED, web UI, and API diagnostics

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**VIP-NET-M3200** L2+Ethernet switch w/ PoE+

| Warranty          |  
|-------------------|---
| **WARRANTY**      | Limited Warranty (3-Years)  |