



Industrial Managed 2.5G 8 Port High Power PoE++ Switch

IS-MG-0802-0009

Product Description

The Verdelon Industrial Managed 2.5G 8-Port High Power PoE++ Switch is engineered for the most demanding industrial networks and harsh environments. It offers 10/100/1000/2.5G multi-speed PoE ports delivering up to 90W per port via IEEE 802.3bt PoE++ standard, in addition to flexible 1.25G/2.5G/10G SFP uplink ports. Advanced web-based management features such as VLAN support, QoS, and link aggregation enable robust network control and optimization.



Ports Interface

RJ45	8x RJ45 IEEE 802.3bt 10/100/1000/2.5G Base-TX PoE ports
Optical	2x 1.25G/2.5G/10G SFP+ ports
USB-C	1x USB-C port for console management

Ethernet Standards

IEEE 802.3
IEEE 802.3u
IEEE 802.3ab
IEEE 802.3z
IEEE 802.3bz
PoE IEEE802.3af
PoE+ IEEE802.3at
PoE++ IEEE802.3bt

Indicators

Power	Power status
RJ45	Link/Activity per port
PoE	PoE status per port
Fiber (F9-F10)	SFP port status

Power

Power Input	48-57VDC
Redundancy	Redundant power w/ 6-pin terminal block
Overload Protection	Included
Reverse Polarity	Included
Self Consumption	10W
Maximum Load Per Port	90W
Total PoE Budget	360W

Any questions?

Visit our website at: www.verdelon.com

Contact us: info@verdelon.com

Software

System	Device Info, IP Address Settings, User Management, System Time / SNTP, STP Configuration, Loop Prevention, Reboot, Factory Reset
Advanced	Port Settings, EEE (Energy Efficient Ethernet), QoS (Mode, Rate Limit, Scheduler, Mappings), VLAN (Port-Based, Tag-Based), Port Mirroring, Link Aggregation, IGMP Snooping, Storm Control, LLDP
Status	Port Statistics, Static & Dynamic MAC Table
Tools	Configuration Backup / Restore, Firmware Upgrade, Cable Test, USXGMII PHY Eye Diagram Test

Technical Specifications

Forward and Filtering Rate	14,880pps (10Mbps) / 148,800pps (100Mbps) / 1,488,000pps (1000Mbps) / 3,720,000pps (2500Mbps)
Packet Buffer Memory	12 Mbits
Maximum Packet Length	9K Bytes - Jumbo Frame
Backplane Bandwidth	110Gbps
Address Table	8K MAC addresses
Processing Type	Store and forward

Environmental Standards

Rating	IP40
Storage Temperature	-40°C to 85°C
Operating Temperature	-40°C to 80°C
Humidity Tolerance	5% to 90%

Physical Properties

Weight	600g
Case Material	Aluminum
Dimensions (H x D x W)	150mm x 115mm x 50mm
Mounting	DIN-Rail mount included Wall mount included