

VERDELON

Industrial L2+ Managed 24 Port Ethernet Switch

IE-MG-2404-0005

Product Description

The Industrial L2+ Managed 24 Port Ethernet Switch is designed for robust and efficient networking in industrial environments. It features 24x 10/100/1000Base-T ports and 4x 1000Base-X SFP ports, providing versatile and high-speed connectivity. Ideal for industrial applications requiring advanced network management and flexible connectivity, this switch supports full/half-duplex, auto-negotiation, and auto MDI/MDIX on its 10/100/1000Mbps RJ45 ports. Additionally, it includes a USB-C port for easy and convenient management, making it a perfect choice for demanding industrial network setups.





Ports Interface

RJ45	24x 10/100/1000Base-T RJ45 ports w/ auto negotiation & auto MDI / MDI-X
Optical	4x 100/1000Base-X SFP ports
USB-C	1x USB-C

Ethernet Standards

IEEE 802.3
IEEE 802.3u
IEEE 802.3ab
IEEE 802.3z
IEEE 802.3p
IEEE 802.1d

Indicators

PWR	Power status
Ethernet	Link/Activity per port
Fiber (F25-F28)	SFP port status

Technical Specifications

Forward and Filtering Rate	14,880pps (10Mbps) / 148,800pps (100Mbps) / 1,488,000pps (1000Mbps)
Packet Buffer Memory	12M bits
Maximum Packet Length	10K bytes - jumbo frame
Backplane Bandwidth	110Gbps
Address Table	8K MAC addresses
Processing Type	Store and forward

Software

Management	<p>Web management</p> <p>Easy management w/ built in USB-C port</p> <p>IPv4/IPv6 Management</p> <p>Static Route</p> <p>CLI</p> <p>WEB</p> <p>SNMPv1/v2/v3</p> <p>EEE</p> <p>LLDP</p> <p>DHCP Server/Client (IPv4/IPv6) Cloud/MQTT</p>
Redundancy	<p>STP support</p> <p>RSTP</p> <p>MSTP</p> <p>ERPSv2</p> <p>Link Aggregation</p>
Maintenance	<p>Port mirroring, Syslog, Ping</p>
Multicast	<p>IGMP snooping V1/V2/V3</p> <p>GMRP</p> <p>GVMP</p> <p>802.1Q</p>
VLAN	<p>IEEE 802.1Q 4K VLAN</p> <p>QINQ</p> <p>Double VLAN</p>
QoS	<p>Flow-based redirection</p> <p>Flow-based rate limiting</p> <p>Flow-based packet filtering</p> <p>8 output queues per port</p> <p>802.1p/DSCP priority mapping</p> <p>Diff-Serv QoS</p> <p>Priority Mark/Remark</p> <p>Queue Scheduling Algorithm (SP, WRR, SP+WRR)</p>
ACL	<p>Port-based Issuing ACL</p> <p>ACL based on port and VLAN</p> <p>L2 to L4 packet filtering (matching the first 80 bytes message)</p> <p>ACL based on MAC</p> <p>Destination MAC address</p> <p>IP Source</p> <p>Destination IP</p> <p>IP Protocol Type</p> <p>TCP/UDP Port</p> <p>TCP/UDP Port Range</p>
Security	<p>Broadcast Storm Protection</p> <p>HTTPS/SSLv3, AAA & RADIUS, SSH2.0</p> <p>DHCP Snooping</p> <p>802.1X security access</p> <p>User hierarchical management</p> <p>ACL access control list</p> <p>DDOS</p> <p>Port-based MAC filtering / binding, MAC black holes</p> <p>IP source protection</p> <p>Port isolation</p> <p>ARP message speed limit</p> <p>1-way relay alarm output, RMON, TRAP</p>



DIP Switch

1	VLAN
2	Ring Management
3	Reserved
4	Reserved

Power

Power Input	12-48VDC
Redundancy	Redundant power w/ 6-pin terminal block
Power Input Overload	Automatic
Reverse Polarity	Included
Self Consumption	8W

Environmental Standards

Rating	IP40
Storage Temperature	-40°C to 85°C
Operating Temperature	-40°C to 80°C
Humidity Tolerance	5% to 95%

Physical Properties

Weight	1400g
Case Material	Aluminum
Dimensions (H x D x W)	160mm x 120mm x 90mm
Mounting	Optional DIN-Rail mount included Optional wall mount included

Any questions?

Visit our website at:
www.verdelon.com

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