

Layer 2 Managed Rack-mount Gigabit Optical Ethernet Switch 20 * 1000M SFP + 4 * 1000M Combo + 4 * 10G SFP+

20
1000M SFP

4
Gigabit
COMBO

4
10000M
SFP+



Overview

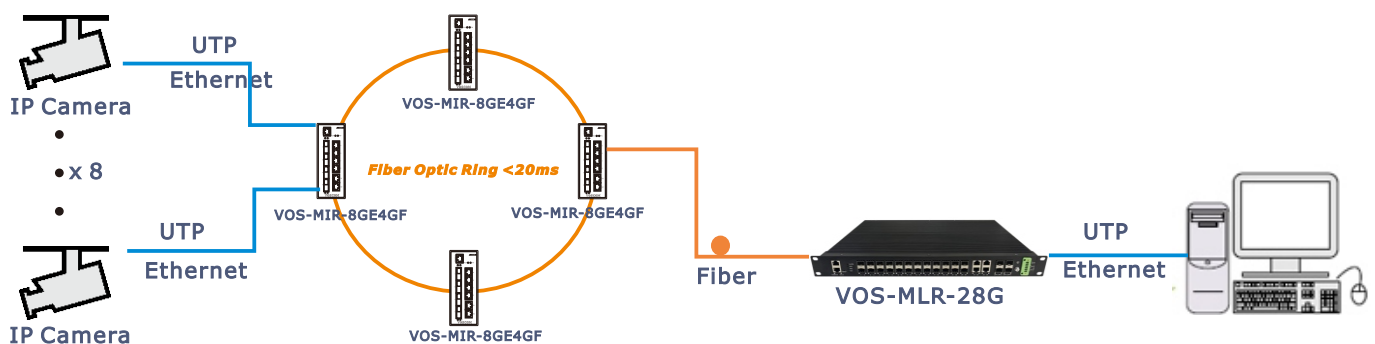
VOSCOM VOS-MLR-28G Layer 2 Managed Optical Ethernet Switch provide 20 * 1000Base SFP port + 4*1000Base TX/FX Combo Port + 4 * 10G SFP+ fiber ports, for long distance connectivity.

This Managed Ethernet switch Support redundant Ring protocol (recovery time $\leq 20\text{ms}$), support complete security and QoS policies; Support VLAN division, port mirroring, and port rate limiting; Support broadcast storm protection, flow control, and centralized management and configuration by WEB, CLI, SNMP.

Features

- 20 * 1000Base SFP port + 4*1000Base TX/FX Combo Port + 4 * 10G SFP+ fiber ports
- Support redundant Ring protocol (recovery time $\leq 20\text{ms}$), STP/RSTP/MSTP/ERPS
- Support 802.1Q VLAN, Port-based VLAN, QinQ and Broadcast storm protection.
- Supports IGMP v1/v2/v3 Snooping and GMRP for filtering multicast traffic
- RMON for efficient network monitoring and proactive capability
- SNMP v1/v2c/v3, Web GUI, CLI; Console port, Telnet
- MAC address filtering, access control, SSH, SSL and ACL
- QoS IEEE 802.1p, priority queues: 4 queues per port
- DHCP Snooping, option 82 for IP address assignment with different policies
- Port mirroring, Port Trunking for optimum bandwidth utilization
- -20°C to 70°C operating temperature

Typical Application



Gigabit Ethernet Switches

Specification

• Ethernet

• Standards:

IEEE802.3 10BASE-T, IEEE802.3u 100BASE-TX/FX
IEEE802.3ab 1000BASE-T, IEEE802.3z 1000BASE-X
IEEE802.3x full-duplex flow control
IEEE 802.1p QoS
IEEE 802.1Q Tag VLANs
IEEE 802.1w RSTP (Rapid Spanning Tree Protocol)
IEEE 802.1s MSTP (Multiple Spanning Tree Protocol)
IEEE 802.1x Network Authentication
Ring, IGMP, GMRP, Telnet, RMON, SNMPv1/v2/v3,
LLDP, STNP, DHCP server, SSH, SSL, ACL, FTP, ARP

• Processing Type:

Store-and-forward, wire speed switching
Auto Negotiation
Half-duplex back-pressure and
IEEE802.3x full-duplex flow control
Auto MDI/MDIX

• Packet Buffer Memory:

1.5Mb

• VLAN number:

4K

• Address Table Size:

16K MAC addresses

• VLAN ID:

1~4096

• Switching Bandwidth:

196G

• Priority Queue:

4

• Packet forwarding Rate:

96Mpps

• Multicast Groups:

256

• Interface

• Ethernet Port:

4 * 10/100/1000Base-T, (Combo)
RJ-45 Connector

• Optical Port:

20 * 1000Base-X SFP,
4 * 1000Base FX SFP (Combo)
4* 10G SFP+

• Console Port:

RJ-45

• Alarm Port:

RJ-45

• Electrical & Mechanical

• LED Indicators:

Ethernet (Per Port): Link/Activity, Speed
Fiber Port: Link/Activity
Power Port, Alarm Port

• Power:

AC100V~240V Redundant Input
1.32A@12VDC(Max) (No-load)
2.44A@12VDC(Max) (Full-load)
5.08mm Industrial Terminal Connector
Overload protection
Redundancy protection

• Mechanical:

Strengthened Corrugated Metal Case
Protection Grade: IP40
Dimension(L*W*H): 483*315*44.4mm
Weight: 4.5kg
Installation: 19inch 1U Rack Mount

• Environment:

Operating Temperature: -20°C ~ +70°C
Storage Temperature: -45°C ~ +85°C
Relative Humidity: 5~95%, non-condensing

• Warranty :

MTBF: > 100,000 hrs
Warranty: 3 years

Gigabit Ethernet Switches

Ordering Information

Model Number	Description
VOS-MLR-28G	Layer 2 Managed Ethernet Switch 20 * 1000Base-X SFP + 4*1000Base TX/FX Combo port + 4 * 10G Fiber Port SFP+
Note: • The power supply of Industrial Ethernet Switch series need to be purchased separately. • If the device with SFP, the SFP need to be purchased separately. • Please feel free to consult factory for any special requirement and customization.	

Optional Accessories (to be purchased separately)

Accessory Model	Description
SFP Modules	SFP Option. Please select your SFP on our SFP Modules page at the back of the catalogue or our website: www.voscom.com for details.
Power supply	Please refer to the power supply information at our website: www.voscom.com or consult our sales at sales@voscom.com for your power system design properly.

Dimensions

