



ADVANCED MANAGEABLE L2 FAST ETHERNET SWITCH

OV-2017S

16-port 10/100M Fast Ethernet
1 x 100M Ethernet Expansion Slot
1 Console port
Network manageable

**Hi-performance, Network Manageable Fast Ethernet Switch**

Proudly presented by OvisLink, OV-2000 Series is a modularized hi-performance entry-level workgroup switch family, with 8/16/24 Fast Ethernet ports. OvisLink OV-2000 Series can connect all (Fast) Ethernet devices so that your investment is protected. It provides hi-speed connection among workgroups, offers powerful network management, and solves the bottleneck caused by increasing users and limited bandwidth, making network resources easier to manage and more available for your enterprise. More importantly, all of the advantages are brought to you by OvisLink at low costs and with easy maintenance and the best support.

Application

OvisLink OV-2000 Series provides desktop Fast Ethernet connectivity, enabling enhanced LAN services for entry-level enterprise, midmarket, and branch office networks.

The OvisLink OV-2000 also provides:

- Network control and bandwidth optimization using QoS, granular rate limiting.
- Network security through 802.1x
- Extended manageability using CLI.
- Manageable through cluster technology allowing management using only one IP address.
- Automatic recognition for straight-through or cross-over cables.
- IGMP Snooping for better use of network resources in Multicast scenarios.
- Lifetime warranty.
- Free software updates.

Features:**- VLAN:**

- Port-based VLAN
- 802.1Q tagged VLAN
- GVRP (GARP VLAN Registration Protocol) to help management and deploy of VLANs
- Up to 4024 VLAN

- Spanning tree

- 802.1D Spanning tree
- 802.1w Rapid Spanning tree

- Scalability

- LACP and static Port trunking. Up to 8 groups with up to 4 ports per group
- Clustering. Manageability through a single P address.
Up to 256 switches per cluster
- LLDP (Link Layer Discovery Protocol)

- Control

- Traffic control using back pressure at half-duplex and 802.3x at full-duplex
- Port rate limit. 64K step size (1 M step size at rate over 1.8 M)
- Storm control. Stop sending at threshold to prevent unicast/multicast/broadcast storms
- IGMP Snooping for multicast traffic control

- QoS

- 802.1p tagging (8 priorities)
- 4 dispatching queues per port

- Security

- 802.1x port-based authentication
- Remote authentication through RADIUS

- Management

- SNMP v1/2
- RMON groups 1,2,3,9
- CLI (Telnet, console)
- SSH
- Web interface
- NTP (Network Time Protocol) to provide an accurate and consistent timestamp to all intranet switches.
- Port mirroring based on traffic flow (ingress/egress)
- Software and configuration upload/download via TFTP/FTP



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Hardware:

Performance

- Ports:
 - 16 x 10/100M RJ-45 MDI/MDI-X Self adapting Ports
 - 1 x 100M Ethernet Expansion Slot
 - 1 Console Port
- Switch fabric: 6,4 Gbps
- Forward rate: All wire-speed forwarding and filtering
- Switching mode: Store and forward
- MAC address table size: 4 K
- Queuing buffer: 4 MB
- FLASH: 4 MB (up to 8 MB)
- SDRAM: 16 MB (up to 32 MB)

Physical

- Dimensions: (L - W - H) 340 - 200 - 44 mm
- Weight: 2,65 Kg
- Power consumption: 18 W
- Power input: AC 100~240 V, 47 ~ 63 Hz, 1A/230V
- LED indicators: Power, system, link, activity
- Temperature: Operating: 0 ~ 50°C, non-operating: -40 ~ 70°C
- Humidity: 0 ~ 90% (no condensing)
- Acoustic noise: < 15 dB (no fan)
- Mean Time Between Failure (MTBF): 178189,1 hours

Standards

- Supported standards:
 - IEEE 802.1D Spanning Tree Protocol
 - IEEE 802.1p CoS Prioritization
 - IEEE 802.1Q VLAN
 - IEEE 802.1s
 - IEEE 802.1w
 - IEEE 802.1x
 - IEEE 802.3ad
 - IEEE 802.3AB
 - IEEE 802.3x full duplex on 10BASE-T, 100BASE-TX, and 1000BASE-T ports
 - IEEE 802.3 10BASE-T specification
 - IEEE 802.3u 100BASE-TX specification
 - 100BASE-FX (SFP)
 - 100BASE-LX (SFP)
 - RMON I and II standards
 - SNMPv1, SNMPv2

Ordering information

| Product | Description |
|-----------|---|
| OV-2008 | Network manageable Ethernet switch with 8 10/100M Fast Ethernet ports and 1 Console port. |
| OV-2017S | Network manageable Ethernet switch with 16 10/100M Fast Ethernet ports, 1 expansion slots, and 1 Console port. Standard AC power support. |
| OV-2026S | Network manageable Ethernet switch with 24 10/100M Fast Ethernet ports, 2 expansion slots, and 1 Console port. Standard AC power support. |
| OV-100TX | 1 port 10/100Base-TX |
| OV-100SC | 1 port 100Base-FX module, MM, SC, 2km, 1310nm |
| OV-115SC | 1 port 100Base-FX module, SM, SC, 15km, 1310nm |
| OV-100F | 1-port 100M SFP Module base board |
| MGM-100LC | 1-port 100BaseSX SFP module, multi-mode, LC interface, 2km, wavelength: 1310 nm |
| MGM-115LC | 1-port 100BaseSX SFP module, single-mode, LC interface, 15km, wavelength: 1310 nm |
| MGM-140LC | 1-port 100BaseSX SFP module, single-mode, LC interface, 40km, wavelength: 1310 nm |
| MGM-180LC | 1-port 100BaseSX SFP module, single-mode, LC interface, 80km, wavelength: 1550 nm |

The functions and corresponding parameters might lightly change depending of the software upgrade, modules, etc. The right of final interpretation belongs to OvisLink. For more information, please contact us.