



ADVANCED MANAGEABLE L3 GIGABIT ETHERNET SWITCH

OV-3552

48 Gigabit TX Ports
4 GSFP Ports
1 Console port
Manageable L3

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

OvisLink OV-3552/OV-3552PoE is a standard L3 congestion-less Gigabit switch series, which are capable of multilayer switching and wire-speed route forwarding. Its high-performance ASIC enables you to employ a suitable number of interfaces and to configure various networks with great flexibility, all based on their individual requirements. It supports multiple access authentication models that can be flexibly configured, making it especially ideal for community access networks. OvisLink OV-3552/OV-3552PoE provides full Gigabit Ethernet connectivity, allowing high performance for advanced networks. Due to this high performance and low cost, OvisLink OV-3552/OV-3552PoE is considered a very competitive Gigabit Ethernet switching solution for enterprise networks.

Application

OvisLink OV-3552/OV-3552PoE is an enterprise-class switch providing Gigabit Ethernet configurations. OvisLink OV-3552/OV-3552PoE is an ideal aggregation level switch for middle and large enterprise LAN environments, enabling the deployment of new applications such as IP telephony, video surveillance, building management systems and providing capacity to handle large amounts of traffic. Customers can deploy network intelligent services such as quality of service (QoS), rate limiting, access control lists (ACLs), NAC and high-performance IP routing while keeping the simplicity of traditional LAN switching with high performance.

The OvisLink OV-3552/OV-3552PoE Series provides:

- Intelligent features at the network edge, such as sophisticated access control lists (ACLs) and enhanced security.
- Full Gigabit Ethernet connectivity.
- High density port configuration.
- Combo Gigabit Ethernet ports flexibility, allowing use of either a copper or a fiber uplink. The combo port has one 10/100/1000 Ethernet port and one Small Form-Factor Pluggable (SFP)-based Gigabit Ethernet port, with one port active at a time (using expansion modules)
- Network control and bandwidth optimization using QoS, granular rate limiting, ACLs (L2-L4), and IGMP Snooping.
- Network security through a wide range of authentication methods, and Network Access Control based on users, ports, and MAC addresses.
- Extended manageability using CLI.
- Manageable through cluster technology allowing management using only one IP address.
- Dynamic unicast IP routing, including the most popular and standard protocols such as RIPv1/2, OSPF, BGP and a Cisco EIGRP compatible (BEIGRP)
- IP services such as DHCP, Proxy ARP and NAT
- Reliability using Virtual Router Redundancy Protocol (VRRP)
- Automatic recognition for straight-through or cross-over cables.
- 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
- Port isolation per VLAN
- Super VLAN
- Up to 4024 active VLAN

- Spanning tree

- 802.1D Spanning tree
- 802.1w Rapid Spanning tree
- 802.1s Multiple Spanning Tree
- Ether-ring protection

- Scalability

- LACP and static Port trunking. Up to 32 groups with up to 8 ports per group
- LLDP (Link Layer Discovery Protocol)
- Clustering. Manageability through a single IP address. Up to 32 switches per cluster
- RPS support

- Control

- Traffic control using back pressure at half-duplex and 802.3x at full-duplex
- Port rate limit. 8M step size
- Storm control. Stop sending at threshold to prevent unicast/multicast/broadcast storms
- IGMP Snooping for multicast traffic control

- QoS

- HOL (Head Of Line) blocking prevention
- 802.1p tagging (8 priorities)
- 4 dispatching queues per port
- FCFS (First Come First Serve) policy
- Strict priority scheduling algorithm
- WRR (Weighted Round Robin) algorithm
- DSCP (Differentiated Services Code Point) tagging

- IP Routing

- Static routing
- Express forwarding
- RIP v1/2
- OSPF v2
- BGP v4
- IP-based routing policies
- VRRP

- IP Services

- DHCP (Server, client, relay)
- Proxy ARP
- Static and dynamic NAT/PAT

- Security

- 802.1x port-based authentication
- Remote authentication through RADIUS
- Port Security
- MAC, IP and VLAN ACL
- Port-MAC binding
- Web authentication
- DHCP Snooping
- IP Source Guard
- DoS Prevention

- 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:
 - 48 Gigabit TX Ports
 - 4 GSFP Ports
 - 1 Console port
- Switch fabric: 160 Gbps
- L3 forwarding rate: 78 Mpps, all wire-speed and filtering
- Forward rate: All wire-speed forwarding and filtering
- Switching mode: Store and forward
- MAC address table size: 8 K
- Routing table size: 512 K
- Queuing buffer: 64 MB
- FLASH: 8 MB (up to 16 MB)
- SDRAM: 128 MB (up to 512 MB)

Physical

- Dimensions: (L - W - H) 442 - 280 - 44 mm
- Weight: 5,4 Kg
- Power consumption: 120 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: 27dB
- 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 802.3af
 - 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
 - IEEE 802.3ab 1000BASE-T specification
 - IEEE 802.3z 1000BASE-X specification
 - 100BASE-FX (SFP)
 - 100BASE-LX (SFP)
 - 1000BASE-SX (SFP)
 - 1000BASE-LX/LH (SFP)
 - 1000BASE-ZX (SFP)
 - RIP
 - OSPF
 - BGP
 - NAT/PAT
 - DHCP
 - VRRP
 - RMON I and II standards
 - SNMPv1, SNMPv2

Ordering information

| Product | Description |
|------------|--|
| OV-3552 | All-Giga-port Ethernet switch. 48+4 ports (1 CONSOLE port, 48 GE TX, 4 GSFP ports) |
| OV-3552POE | All-Giga-port Ethernet switch. 48+4 ports (1 CONSOLE port, 48 GE TX, 4 GSFP ports) (PoE support) |
| MGM-1000TX | 1-port 1000BaseT SFP module, RJ45 |
| MGM-1000LC | 1-port 1000BaseSX SFP module, multi-mode, LC interface, 500 m, wavelength: 850 nm |
| MGM-1010LC | 1-port 1000BaseLX SFP module, single-mode, LC interface, 10 km, wavelength: 1310 nm |
| MGM-1040LC | 1-port 1000BaseLX SFP module, single-mode, LC interface, 40 km, wavelength: 1310 nm |
| MGM-1080LC | 1-port 1000BaseLX SFP module, single-mode, LC interface, 80 km, 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.