

XQS-3126 26-Port L3 Managed TOR Fiber Switch, 24x 1/10GbE SFP+, 2x 40/100GbE QSFP28, Hot-Swap Redundant Power Supply

Product Images



Short Description

Performance and Scalability

Delivers industry-leading switching performance with up to 880Gbps capacity, powered by high-performance ASICs and multi-core processors.

Meets the demanding requirements of modern data centers for high performance, capacity, density, and scalability.

High Availability

Ensures uninterrupted operations with redundant power supplies, modular hot-

swappable components, and seamless failover mechanisms.

Supports advanced redundancy protocols including STP/RSTP/MSTP, VRRP, ring network protection, dual uplink, and LACP.

Offers ISSU and GR for zero-downtime software upgrades and graceful restarts.

Virtualization and Efficiency

Optimizes resource utilization and enhances network performance with Virtual Switch System (VSS) technology.

Doubles performance by eliminating STP blocking and maximizing link utilization.

Description

The LevelOne XQS-3126 is a high-performance, full Gigabit TOR switch optimized for demanding data center and cloud environments. Its advanced hardware architecture delivers industry-leading switching performance and low latency. Supporting wire-speed L2, L3, and L4 features, the XQS-3126 also offers essential network services like IPv6, traffic analysis, and virtualization. Built-in redundancy and uninterrupted operation mechanisms ensure maximum network uptime and reliability.

Additional Information

Customs product code (TARIC)	851762
Features	<p>VLAN ● 4K VLAN IDs ● GVRP ● 1:1 and N:1 VLAN Mapping ● QinQ and selective QinQ ● Private VLAN MAC switching ● Static configuration and dynamic MAC learning ● MAC browsing and removal ● Configurable aging time of the MAC address ● Limited number of learnable MAC addresses ● MAC filtration ● Black-hole MAC list ● IEEE 802.1AE MacSec STP ● 802.1d STP, 802.1w RSTP, 802.1s MSTP ● BPDU protection, root protection and ring protection Multicast ● IGMP v1/v2c/v3 ● IGMP Snooping ● IGMP Fast Leave ● Multicast group policy and multicast number limit MVR ● PIM-SM, PIM-DM IPv4 ● Static routing, RIP v1/v2, OSPF, BGP ● Policy Based Routing(PBR) ● ECMP ● BFD for OSPF, BGP IPv6 ● ICMPv6, DHCPv6, ACLv6 and IPv6 Telnet ● IPv6 neighbor discovery ● Path MTU discovery ● IPv6 MLD v1/v2 MLD snooping ● MPLS ● IPv6 Static Routing, RIPng, OSPFv3, BGP4+ ● Manual tunnel, ISATAP tunnel, 6-to-4 tunnel MPLS ● MCE(Multi-VRF) QoS ● Traffic classification of port/L2~4 protocol headers ● CAR traffic control ● 802.1P/DSCP priority mapping and remark ● Multiple queuing algorithms such as SP, WRR or SP+WRR Tail-Drop, WRED ● Traffic supervision and traffic shaping ● Ingress and Egress ACL, supports matching L2, L3, L4 and IP quintuples, and performs replication, forwarding and discarding ● Hash same-source and same-destination load balancing to ensure session integrity of traffic output ● Hash-based load balancing algorithm to ensure session integrity Reliability ● Power 1+1 backup ● Static/LACP link aggregation ● EAPS, ERPS ● HSRP, VRRP ● GR for OSPF and BGP ● BFD for OSPF and BGP ● ISSU</p>
Management	<ul style="list-style-type: none">● Console, Telnet, SSH 2.0● Zero Touch Provisioning (ZTP)● Web-GUI● SNMP v1/v2c/v3● Upload and download of FTP/TFTP/SFTP files● RMON event history● Traffic statistical analysis such as sFLOW

Security	<ul style="list-style-type: none"> ● L2~L4 ACL flow identification and filtering security mechanism ● DDoS attack prevention, TCP-SYN/UDP Flood attack prevention ● Suppression of multicast, broadcast, and unknown unicast packets ● Port isolation ● Port Security, IP+MAC+port binding ● DHCP Snooping, DHCP Option 82 ● IEEE 802.1x authentication ● Radius, Tacacs+ ● URPF ● Command line hierarchical protection
PoE Supported	No
Fanless	No
Manageable	Yes
Grade	Commercial
Approval and Compliance	CE UKCA FCC Part 15, Subpart B RoHS
Operating humidity	10% RH ~ 90% RH
Operating temperature	-10°C ~ 50°C
Storage humidity	5% RH ~ 95% RH
Storage temperature	-20°C ~ 70°C
Package Contents	<ul style="list-style-type: none"> ● XQS-3126 ● Power Cord ● Console Cable ● 19" Rack Mount Kit ● Rubber Feet ● Quick Installation Guide ● Declaration of Conformity
Switching capacity	880 Gbps
Dimensions (W x D x H)	442.5 x 300 x 44.5 mm
Product weight (kg)	4.25
Color	Black
EAN	4015867238479
Model Number	XQS-3126
Power Redundancy	Dual Power Supplies
Acoustic noise (dB)	57 dB
Backplane (Gbps)	880 Gbps
Flash memory size	4096 MB
Packet forwarding rate	660 Mpps

Heat dissipation	238.91 BTU/h
Indicators	● POWER ● SYSTEM ● LINK/ACT
Jumbo frame (KB)	16
MAC address table	128 K
Mount	19" rack mount, Desk mount
MTBF	200,000 hours
Packet buffer	4.5 MB
Port Configuration	24x 1/10GbE SFP+ Slot, 2x 40/100GbE QSFP28 Slot
Power consumption	● 26W (Standby) ● 64W (full loading on)
Power supply	AC: 100V-240V, 50Hz
Power supply included	Yes
RAM size	2048 MB
Standard	<ul style="list-style-type: none"> ● IEEE 802.1D Spanning Tree Protocol (STP) ● IEEE 802.1w Rapid Spanning Tree Protocol (RSTP) ● IEEE 802.1s Multiple Spanning Tree Protocol (MSTP) ● IEEE 802.1Q VLAN ● IEEE 802.1v protocol-based VLAN ● IEEE 802.1x authentication ● IEEE 802.3ah Ethernet Link OAM ● IEEE 802.1ag Connectivity Fault Management and ITU-Y.1731 ● IEEE 802.3az ● IEEE 802.1AE MacSec ● IEEE 802.1P/DSCP priority mapping and remark

