

Data Sheet for Article: QLGE2861-

L2 Managed Switch, 24x10/100/1000T + 4xSFP, 19"



Product Details

The QLGE2861 - is a Layer 2 managed switch designed for the SMB market. The switch can be deployed in different target network topologies. As well as IPv4 and IPv6 features.

The QLGE2861 - includes the best green-saving technologies (IEEE 802.3az and Green-Ethernet). Using the Energy Efficient Ethernet standard, the switch automatically decreases power usage when network traffic is low.

Key-Features

- 24 Gigabit Ethernet ports and 4 Gigabit SFP slots
- IEEE 802.1d/w/s Spanning Tree Protocol (STP) and port mirroring
- IEEE 802.3ad LACP for auto port aggregation
- Supports Access Control List (ACL) authentication of up to 512 entries and port-based security with IEEE802.1X
- IP Multicast Filtering through IGMP Snooping V1 / V2 / V3
- Supports port-based VLAN, IEEE 802.1Q VLAN Tagging
- Supports IPv4/IPv6 network operation
- IEEE 802.1p QoS with 8 priority queues
- Virtual stacking supports up to 36 switches in a single logical stack for unified management, monitoring and management

Technical Data

- Approval and compliance
 - CE, FCC Class A
 - EN 55022 (CISRP 22) Class A
 - EN 61000-3-2/3

- VCCI
- CSA (CSA 22.2 NO 60950-1 & UL 60950-1)
- CB (IEC/EN60950-1)
- RoHS
- Max. operating humidity
 - 90%
- Max. operating temperature
 - 50°C
- Min. operating humidity
 - 10%
- Acoustic noise
 - 0 dB (A)
- Backplane
 - 56Gbps
- Packet buffer
 - 4.1 Mbits
- Indicators
 - Power
 - Link/Active
- Jumbo frame
 - 10KB
- MAC address table
 - 8K
- RAM size
 - 256MB
- Flash memory size
 - 32MB
- Mount
 - 19" rack mount
- Power supply
 - 100-240 VAC
 - 50-60 Hz
- Chipset
 - MIPS 4Kec 500MHz

Standards

- IEEE 802.3 10-BASE-T, Ethernet
- IEEE 802.3u 100-BASE-TX, Fast Ethernet
- IEEE 802.3ab 1000BASE-T, Gigabit Ethernet

- IEEE 802.3z 1000BASE-SX/LX/LHX/ZX Transceivers
- IEEE 802.1p Quality of Service (QoS)
- IEEE 802.1Q Virtual LANs (VLANs)
- IEEE 802.1D MAC Bridges
- IEEE 802.1d Standard Spanning Tree Protocol
- IEEE 802.1s Multiple Spanning Tree (MSTP)
- IEEE 802.1w Rapid Spanning Tree Protocol (RSTP)
- IEEE 802.3x Flow Control
- IEEE 802.3ad Link Aggregation Control Protocol (LACP)
- IEEE 802.3az Energy-Efficient Ethernet
- Link Layer Discovery Protocol (LLDP)

Eigenschaften

- Management NTP/SNTP
- System password protection
- Dual Image/Configuration
- Configuration upload/download (HTTP/TFTP/FTP/SFTP)
- Firmware upload/download (HTTP/TFTP/FTP/SFTP)
- Auto Firmware Upgrade
- RMON (groups 1,2,3 and 9)
- SNMP
- SNMP Trap
- SNMP v1/v2c/v3
- SNMP Standard/Private MIB
- Management Access (Console/SNMP/Web /Telnet)
- Memory Flash Log
- Event/Error Log/Syslog
- DHCP v4/v6 Client/DHCP Snooping
- DHCP Snooping Option82
- Dynamic Provision (via Option 66,67)
- DHCP Relay v4 (v6)
- Port Mirroring (One to One) TX/RX (both)
- DNS Client without DNS proxy Flow Control
- IEEE 802.3x for full duplex mode
- Back-pressure for half-duplex mode Spanning Tree Protocol
- IEEE 802.1D Spanning Tree Protocol (STP)
- IEEE 802.1w Rapid Spanning Tree Protocol (RSTP)
- IEEE 802.1s Multiple Rapid Spanning Tree Protocol (MSTP, 64 instances)
- Loopback Detection
- BDPU Filter/Guard
- BDPU Forward
- Root Guard VLANs
- Supports 4K IEEE 802.1Q VLANs
- Port-Based/MACBased/IEEE802.1v (Protocol-Based VLAN)
- Guest VLAN
- Auto Voice VLAN Link Aggregation
- Static Trunk
- IEEE 802.3ad(802.1ax) Link Aggregation Control Protocol (LACP) IGMP Snooping
- IGMP v1/v2/v3 snooping
- IGMP Filtering/Throttling
- IGMP Queries
- IGMP Immediate leave

- MLD Snooping
 - LLDP/LLDP-MED Green-Saving
 - IEEE 802.3az/Cable Length/No Link Power-Saving
 - Cable Diagnostic
 - Q-in-Q
 - mDNS
 - IP Clustering (Software Stacking) QoS Features
 - Rate Limiting (Ingress/Egress Port-Based): 64 Kbps ~ 1000 Mbps, Resolution 16 Kbps
 - Priority Queues Schedule (WRR/Strict Priority/Hybrid QoS)
 - Port-Based QoS
 - IPv4/IPv6 DSCP
 - DiffServ
 - Auto VoIP
 - 8 HW Queues per port
 - Dynamic QoS Security
 - DDOS Protection
 - CPU Guard (CPU Protection)
 - Port Isolation
 - Port Mirror (One to One, One to Many)
 - Remote Mirror
 - Storm Control
 - Broadcast/Multicast/Unknown Storm Control
 - IEEE 802.1X
 - ACL (Entry: 512)
 - Port Security
 - MAC Filter
 - MAC Authentication
 - Port max count per port
 - Dynamic VLAN Assignment
 - Dynamic ARP Inspection
 - AAA (RADIUS/TACACS+)
 - IP Source Guard
 - SSH v1.5/v2.0
 - SSL v1/v2/v3
 - SSL IPv4/IPv6
 - SFlow (Trace on port - Ingress only)
 - Web Authentication IPv6
 - IPv4/IPv6 Dual Protocol Stack
 - IPv6 Management
 - IPv6 Ping/Trace
 - IPv6 Telnet
 - IPv6 Syslog
 - IPv6 TFTP
 - HTTP over IPv6
 - SNMP over IPv6 L3 Features
 - Static Routing
 - RIP
-
- Product weight
 - 2.2kg
 - Product breadth

- 220mm
- Product depth
 - 44mm
- Product height
 - 440mm
- Color
 - Black
- EAN
 - 4015867198063
- Model number
 - QLGE2861-
- Console RJ45
 - 1
- Gigabit RJ45
 - 24
- Gigabit SFP
 - 4
- Switching capacity
 - 56 Gbps
- Grade
 - Commercial
- Data Rate
 - Gigabit Ethernet
- PoE Supported
 - No
- Manageable
 - Yes
- Fanless
 - Yes
- Concurrent ports
 - Total 28.00
- Series
 - KILBY series
- Power consumption
 - 20W
- Heat dissipation
 - 68,242 (Btu/H)
- MTBF

◦ 563,826 hrs

Package contents

- QLGE2861-
- Power Cord
- Console Cable
- 19" Rack Mount Kit
- Quick Installation Guide
- Resource CD (User Manual, QIG)

Technical Data

Net width (mm)	440,00
Net height (mm)	44,00
Netto depth (mm)	220,00
Product	Ethernet Switch
Speed	10/100/1000Mbps
Ports	28
Mounting	19"

Article Table

DESCRIPTION	Order No.
L2 Managed Switch, 24x10/100/1000T + 4xSFP, 19"	QLGE2861
Optional Accessories	
FO-Module SFP 1000BaseSX LC Multimode VCSEL 850nm, 550m for devices of the QL ... Series	QLSFP3001
FO-Module SFP 1000BaseLX LC Singlemode 1310nm, 10km for devices of the QL ... Series	QLSFP3211
19" Mounting set M6, 4 pcs. each: screw, nut, washer	DSSRA004
Patchcord RJ45 shielded, Cat.6, PVC, grey, 0.5m	H6GLG00K5G
Patchcord RJ45 shielded, Cat.6, PVC, grey, 1.0m	H6GLG01K0G
Patchcord RJ45 shielded, Cat.6, PVC, grey, 2.0m	H6GLG02K0G
Patchcord RJ45 shielded, Cat.6, PVC, grey, 3.0m	H6GLG03K0G
Patchcord RJ45 shielded, Cat.6, PVC, grey, 5.0m	H6GLG05K0G
Patchcord RJ45 shielded, Cat.6, PVC, grey, 10.0m	H6GLG10K0G
Patchcord RJ45 shielded, Cat.6, PVC, grey, 20.0m	H6GLG20K0G