

Technische Fiche: QLGE1020-

Switch 19" 8x RJ45 10/100/1000 (PoE+) + 2xSFP 1000 150W

8x 10/100/1000Base-T RJ45 PoE+ (802.3at), 2x 100/1000Base-X SFP Slots, interne voeding



SCHRACK-Info

The QLGE1020- provides 8 x 10/100/1000Base-T PoE-Plus ports and 2 x 1000Base-X SFP (Small Form Factor Pluggable) slots. This switch is IEEE 802.3af/at compliant, providing power and data over a single Ethernet cable to any PoE device, with total power budget of 150W, up to 30W per port. Together with Energy Efficient Ethernet (IEEE 802.3az) standard compliant, it substantially lower power consumption during periods of low-link utilization. Moreover, supports Gigabit Ethernet connectivity with 9K jumbo frames for networking performing enhancement. Ideal for small businesses that prefers an affordable solution for PoE deploying infrastructure.

Eco-Conscious Design

With the implementation of the advanced energy efficient technology (IEEE 802.3az), allowing for monitoring the link status of each port. Therefore reducing power consumption if a connected device is not active at a certain period of time. In this way, the power can be saved and utilized more effectively.

Key-Features

- 8 PoE-Plus Gigabit Ethernet Ports and 2 Gigabit SFP Slots
- 1000Mbit/s, Full-Duplex, 10/100 Mb/s, Full/Half-Duplex, Auto-Negotiation, Auto-MDI/MDIX
- IEEE-802.3af / at PoE compatible for easy use and installation
- 9K jumbo frames for high transfer rates
- Supports auto-learning and auto-aging for up to 8K MAC addresses

- Automatic detection and protection of non-standard PoE devices
- IEEE-802.3x flow control protects against packet loss and ensures reliable data transmission
- Minimizes power consumption with advanced energy efficient (IEEE-802.3az)
- Mounting kit for 19 inch rack included
- Total PoE power: 150W, up to 30W per port

TECHNICAL DATA

- Standards
 - IEEE 802.3 10-BASE-T, Ethernet
 - IEEE 802.3u 100-BASE-TX, Fast Ethernet
 - IEEE 802.3ab 1000BASE-T, Gigabit Ethernet
 - IEEE 802.3x Flow Control (full-duplex flow control)
 - IEEE 802.3af Power over Ethernet (PoE)
 - IEEE 802.3at Power over Ethernet Plus (PoE+)
 - IEEE 802.3az Energy-Efficient Ethernet
- Buffer tank
 - 512KB
- Indicator
 - Power, Link/Active, PoE
- Transmission method
 - Store-and-Forward
- Power Consumption
 - 100-240V AC, 50-60 Hz, Internal Power Supply
- Energy Consumption
 - > 150W
- Backplane
 - 16Gbps
- MAC address table
 - 8K
- Data rate
 - 10/100/1000Mbps
- General
 - Flow Control: Half Duplex - Backpressure; Full Duplex - Pause frame
- PoE
 - Power Budget: Max. 140W
 - Power Output: Up to 30W per port
 - Protection: Circuit protection to prevent power interference between ports
 - Pin Assignment: 1/2(+), 3/6(-)
- Forwarding rate
 - 1000Mbps port - 1,488,000pps
 - 100Mbps port - 148,000pps
 - 10Mbps port - 14,880pps
- Jumbo-Frames
 - 9KB

- Energy efficiency
 - IEEE 802.3az Energy Efficient Ethernet:
 - Automatically turns power off on RJ-45 port when detecting link down or Idle of client
 - Cable length detection: Adjusts the signal strength based on the cable length
 - Reduces the power consumption for cables shorter
- Temperature
 - Operating: 0°C ~ 40°C
 - Storage: -40°C ~ 70°
- Humidity (non-condensing)
 - Storage: 5% ~ 90%
 - Operating: 5% ~ 90%
- Application
 - 19-inch rack-mountable
- Dimensions (W x D x H)
 - 280 x 215 x 44
- Weight
 - 2300g
- MTBF
 - 41.3421 K.hrs
- Certification
 - FCC Part 15 Class A, CE, RoHS
- Order Information
 - QLGEPI020-

Package Contents

- QLGEPI020-
- Power Cable
- 19" mounting frame
- Quick Installation Guide

Technische gegevens

Breedte (mm)	280,00
Hoogte (mm)	44,00
Diepte (mm)	185,00
Productgamma	Ethernet switch
Transmissiesnelheid	10/100/1000Mbps
Aansluitingen	10
Bevestiging	19"

Artikelen

Omschrijving	Referentie
Switch 19" 8x RJ45 10/100/1000 (PoE+) + 2xSFP 1000 150W 8x 10/100/1000Base-T RJ45 PoE+ (802.3at), 2x 100/1000Base-X SFP Slots, interne voeding	QLGEP1020
Optionele toebehoren	
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
Patchkabel C6A RJ45 afgeschermd 10GB LSOH grijs 0.5m	H6GTG00K5G
Patchkabel C6A RJ45 afgeschermd 10GB LSOH grijs 1m	H6GTG01K0G
Patchkabel C6A RJ45 afgeschermd 10GB LSOH grijs 2m	H6GTG02K0G
19" Kabelgeleiding 5 grote ringen 40x83mm 1HE RAL7035	DBK14805