

Data Sheet for Article: QLIES0620-

DIN-Rail Switch 4xRJ45 (PoE+) + 1 RJ45 + 1xSFP, 126W

4 x 10/100/1000Base-T PoE+ (802.3at) ports, 1 x RJ45Gigabit Combo + 1 Gigabit SFP(100/1G) slot, 1 x Terminal Block, input voltage 12VDC-55VDC, without power supply



SCHRACK-Info

The QLIES0620- Industry Ethernet Switch provides 4 PoE ports 10/100/1000 Base plus 2 port Gigabit SFP to enable high speed network at mission-critical environment.

With the industrial standard DIN-rail mount: this switch can be easily installed in the cabinet, plus the clearly visible status LEDs provide simple monitoring of port link activity.

Moreover, the SFP slots support pluggable modules that enabling you to choose from a variety of transceivers. This switch is Power Sourcing Equipment (PSE), and it is fully complied with IEEE 802.3at PoE standard at maximum 30W power budget per port. It helps to save infrastructure wiring costs dramatically by eliminating electric wiring and less UPS needed. Also, it is compatible with IEEE802.3af standard PD devices.

Key-Features

- 4 x 10/100/1000Base-T PoE ports
- 1 Gigabit Combo + 1 Gigabit SFP (100/1G) slot
- PoE ports can support the IEEE 802.3at standard and power up 30W
- 1000 Mbps-Full-duplex, 10/100Mbps-Full/Half-duplex
- Auto-Negotiation, Auto-MDI/MDIX
- -40°C to 75°C (-40°F to 167°F) operating temperature range
- DIN-Rail mount installation
- Metal case design and compliant with IP30 standard

- Wide input power range from 12 to 55 VDC

TECHNICAL DATA

- Standards & Protocols:
 - 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-X Gigabit Ethernet
 - IEEE802.3x Flow Control and Back Pressure
 - IEEE 802.3af Power over Ethernet (PoE)
 - IEEE 802.3at Power over Ethernet Plus (PoE+)
- Buffer memory:
 - 1024KB
- Plug:
 - 4 x 10/100/1000Mbps PoE RJ45 port
 - 1 x Gigabit Combo (RJ45 / SFP)
 - 1 x 100/1000Base-X SFP Slot
 - 1 x Terminal Block
- Button:
 - DIP1 On: Port 5 supports TX Copper
 - DIP1 Off: Port 5 supports SFP (Default)
 - DIP2: Reserved
- Indicator:
 - PW1 (Power 1): Green / PW2 (Power 2): Green / ERR (Fault): Amber
 - LNK (RJ45): Green
 - SPD: Amber (1000) / Green (100) / Off (10)
 - SFP: Green (Link / Active)
- Transmission method:
 - Store-and-Forward
- Power consumption:
 - 12-55 (12/24/48) VDC Dual power input capable (Redundancy)
- Power:
 - Alarm Relay Output 1A @ 24VDC
- Energy consumption:
 - 6 watts (with no PoE PD attached)
 - 160 watts (with full PoE PD attached)
- Backplane:
 - 12Gbps
- MAC-Address Table:
 - 1K

- Data Rate:
 - 10/100/1000Mbps

Features

- PoE:
 - Power Budget: Max. 126Watts at 24 VDC and 48VDC power input
 - At 75°C - Maximum total power 65W at 12VDC power input
 - At 70°C - Maximum total power 36W at 12/24/48VDC power input
 - PD classification identity
 - PoE over current protection
 - PoE circuit sorting protection
 - PoE Power Output: Max. 15.4 watts (802.3af) or 36 watts (802.3at)
 - Power Pin Assignment: 1/2(+). 3/6(-)
- Security:
 - Protection:
 - Polarity Reversal
 - Overload Current

Performance

- Forwarding rate:
 - 1000Mbps port - 1,488,000pps
 - 100Mbps port - 148,000pps
 - 10Mbps port - 14,880pps
- Jumbo-Frames:
 - 10 K

Environment

- Temperature:
 - Operating: -40°C ~ 75°C
 - Storage: -40°C ~ 85°C
- Humidity (non-condensing):
 - Storage: 5% ~ 95%
 - Operating: 5% ~ 95%
- Application:
 - Desk, wall and chassis mounted

Physical Specifications

- Dimensions (W x D x H):
 - 40 x 105 x 38 mm

- Weight:
 - 720g

Reliability

- MTBF:
 - 5,510,304 hrs

Approval and Compliance

- Certification:
 - FCC Part 15 Subpart B Class A
 - CE
 - VCCI
- Security:
 - EN60950-1
- Housing:
 - EN61000-4-2 (ESD) Level 3
 - EN61000-4-3 (RS) Level 3
 - EN61000-4-4 (EFT) Level 3
 - EN61000-4-5 (Surge) Level 3
 - EN61000-4-6 (CS) Level 3
 - EN61000-4-8 (Magnetic Field) Level 3
 - UL508 (Pending)
 - EN 50121-4 (Pending)
 - IEC 60068-2-27
 - IEC 60068-2-32
 - IEC 60068-2-6
 - UL 508

Order Information

- QLIES0620-

Package Contents

- QLIES0620-
- Quick Installation Guide

Technical Data

Net width (mm)	40,00
Net height (mm)	38,00
Netto depth (mm)	105,00
EAN	4015867188514
Min. ambient temperature (°C)	0
Max. ambient temperature (°C)	70
Product	Ethernet Switch
Speed	10/100/1000Mbps
Ports	6
Mounting	DIN-Rail

Article Table

DESCRIPTION	Order No.
DIN-Rail Switch 4xRJ45 (PoE+) + 1RJ45 + 1xSFP, 126W 4 x 10/100/1000Base-T PoE+ (802.3at) ports, 1 x RJ45Gigabit Combo + 1 Gigabit SFP(100/1G) slot, 1 x Terminal Block, input QUES0620 voltage 12VDC-55VDC, without power supply	
Optional Accessories	
DIN-rail adapter empty for 1 module (SFA)(SFB), RAL7035 Lightgrey	HSEH010GS
FO-Module SFP 1000BaseSX LC Multimode VCSEL 850nm, 550m for devices of the QL ... Series	QLSFP3001
FO-Module SFP 1000BaseLX LC Singlemode 1310nm, 20km for devices of the QL ... Series	QLSFP3211
Industrial power supply, 48VDC, 120W, DIN-Rail PoE Ready	QLPOW4840
Industrial power supply, 48VDC, 480W, DIN-Rail PoE Ready	QLPOW4860
Power Supply, 110V-240VAC 50/60Hz ; 48VDC/1.35A, 64,8W	QLPOW4801
FO Splicebox for DIN Rail, 4 Fibers, LC, 50/125µm OM3 RAL7035, incl. Pigtails, incl. couplers, CLASSIC	HSELS043LR
FO Splicebox for DIN Rail, 4 Fibers, LC, 9/125µm OS2 RAL7035, incl. Pigtails, incl. couplers, CLASSIC	HSELS049LR
FO Splicebox for DIN Rail, 4 Fibers, LC, 50/125µm OM4 RAL7035, incl. Pigtails, incl. couplers, CLASSIC	HSELS044LR