



RLH Industries, Inc.

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PRODUCT
DATA SHEET

DS-220 2025-1219

24+2 Unmanaged 10/100/1G SFP PoE+ Industrial Rack Mount Switch

ETH-R2402GP-DC-1

48-55VDC Powered PoE+ (802.3at 30 Watts) 19-inch rackmount

The RLH 26-Port 10/100/1G PoE+ Unmanaged Industrial Ethernet Rackmount Switch (ETH-R2402GP-DC-1) is an environmentally hardened, high-performance networking platform engineered to maintain mission-critical communications in harsh and demanding environments while delivering PoE power to devices up to 100 meters away.

This switch provides 24 dedicated 10/100/1G (1000Base-T) PoE+ ports and two additional 1000Base-T ports that share media access with two 100/1G SFP slots, enabling flexible copper or fiber uplink configuration. Its 1U, 19-inch rackmount form factor delivers a high port count while minimizing space requirements.



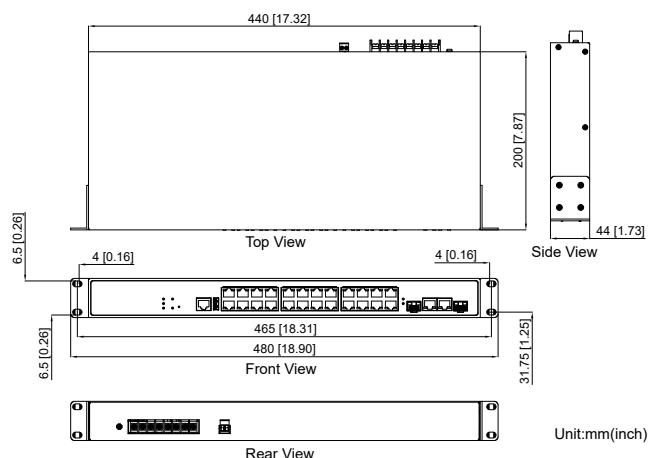
24+2 Unmanaged 10/100/1G PoE+ SFP Rack Mount Switch



Features

- Hardened to operate in -40°C to 75°C (-40°F to 167°F)
- 24 PoE+ ports of 10/100/1G + 2 Combo ports (2 - 10/100/1G Tx RJ45 and 2 – SFP ports)
- Auto MDI/MDI-X
- 8K MAC Address Table
- 9.6 Kbyte Jumbo Frames
- 48-55VDC power input
- 19" rack mount (1U)
- Rugged case rated to IP-40
- NDAA and TAA Compliant
- 5 Year Warranty

Dimensions





General Specifications

Data Process	Store and Forward, CSMA/CD
Standards	IEEE 802.3 10BaseT (Ethernet), IEEE 802.3u 100BaseTX (Fast Ethernet), IEEE 802.3x (Flow Control), IEEE 802.3ab 1000BaseT (Gigabit Ethernet)
Transfer Rate	14,880pps – Ethernet, 148,800pps - Fast Ethernet, 1,488,000pps – Gigabit Ethernet
Jumbo Frames	9.6Kbytes
Transmission Distance	Up to 100 Meters/328 Feet over twisted pair cabling
Transmission Speed	Up to 1Gbps
MAC Address:	8k table size
Ethernet Interface	Auto-MDI/MDIX, Auto-Negotiation, Full/Half-Duplex Support
Ethernet Ports	24x 10/100/1Gbps + 2x shared combo ports 10/100/1G 1000base-T and 2x 100/1G SFP Slots
LED Status Indicators	Link/activity, PoE, Power1, Power2, Fault
Power Input	48-55 VDC
Reverse Polarity Protection	Present
Power Consumption	Max. 21 Watts (system only)
PoE+	24 ports of PoE (802.3af/at 30 watts)
PoE Power Budget	720 Watts max
PoE Pin Out	V+, V+, V-, V-, for pin 1, 2, 3, 6 (End-span, MDI Alternative A)
Operating Temperature	-40°C to 75°C (-40°F to 167°F)
Storage Temperature	-40°C to 85°C (-40°F to 185°F)
Operating Humidity	5% to 95% (non-condensing)
Construction	Powder coated IP40 steel housing
Case Dimensions	440(W) x 44(H) x 200(D) mm *Not including dust caps or rack mounting brackets
Mounting Style	19" rack mount – 1U
EMI/EMS	FCC Part 15 Subpart B Class A, CE EN61000-6-4 Class A, CE EN61000-6-2: IEC61000-4-2 (ESD), EC61000-4-3 (RS), IEC61000-4-4 (EFT), IEC61000-4-5 (Surge), IEC61000-4-6 (CS), IEC61000-4-8 (Magnetic Field)
Stability Testing	IEC60068-2-32 (Free fall), IEC60068-2-27 (Shock), IEC60068-2-6 (Vibration)
Safety	CE EN61000-6-4 Class A, FCC Part 15 Subpart B Class A, UL 61010-1, UL 61010-2-201
Compliance	NDAA, TAA, RoHS and REACH compliant
Warranty	5 Years - Visit www.fiberopticlink.com for warranty details

Ordering Information

Description	Part Number
24+2 Unmanaged PoE+ 10/100/1G Industrial Ethernet Switch, Rack Mount, SFP(100/1G) ports, 48-55 VDC	ETH-R2402GP-DC-1

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