



RLH Industries, Inc.

fiber**optic**link.com

PRODUCT
DATA SHEET

DS-178 2025-1001

4+2 Unmanaged Multi-Gigabit PoE++ SFP+ Industrial Switch

ETH-42GXP-BT-1

802.3bt 90 Watts PoE++ with 10/100/1G/2.5G and 1G/10G SFP+ Ports

The RLH 4+2 Industrial Unmanaged 2.5G SFP+ Ultra PoE++ Switch is a high-performance, high-powered networking solution built to sustain critical communications in harsh environments.

It is equipped with (4) 2.5G-rated copper Ethernet ports, and (2) dual-rated 1G/10G SFP+ Ethernet ports for accommodating all industrial and enterprise network bandwidth needs.

The switch's (4) available PoE++ ports can provide up to 90W of Power, optimizing its role in applications that include high-powered PTZ IP cameras, gate and building access controllers, wireless access points, and thin clients.

This Ethernet switch is DIN rail mountable, hardened to operate in -40°C to 75°C (-40°F to +158°F) conditions, and is covered by our 5 Year Warranty.

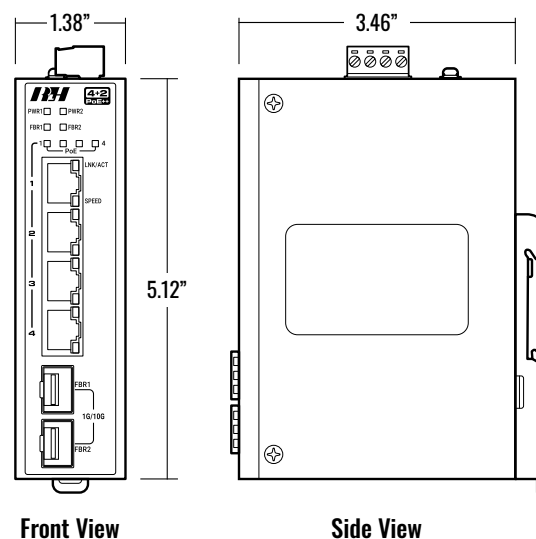


4+2 Unmanaged Multi-Gigabit PoE++ SFP+

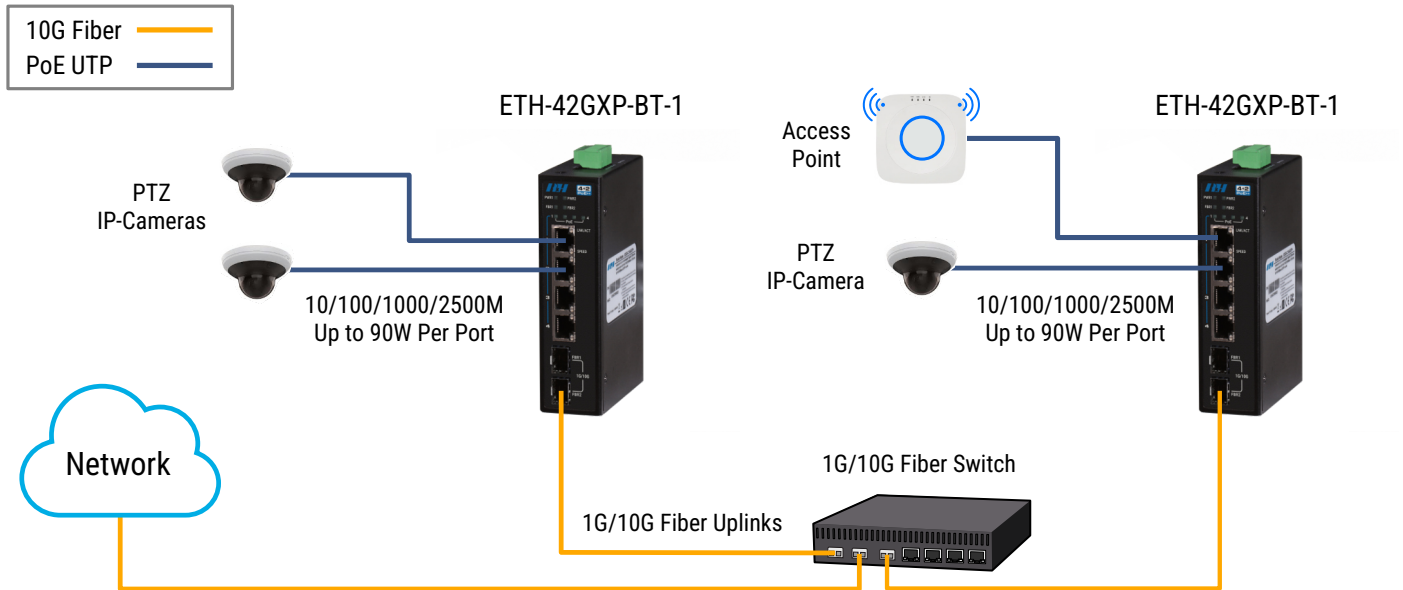
Features

- 4 Copper Ports, 10/100/1000/2500Mbps Ethernet
- 2 SFP/SFP+ Ports, 1G/10G Ethernet
- 4 Ports PoE++ (90W/Port), IEEE 802.3bt
- Hardened to operate in -40°C to +75°C (-40°F to +167°F)
- 52~57VDC redundant power inputs
- DIN Rail mountable
- UL Listed, RoHS Compliant, FCC Part 15 B Class A
- Covered by our limited 5 Year Warranty

Dimensions



Application



General Specifications

Power:	Power Input 52~57VDC redundant power inputs (4 position pluggable terminal block)			
	Power Output Up to 90W per port, 240W Maximum PoE Power Budget			
	Consumption (typ.) <10W			
	Current Overload and Reverse Polarity Protection			
Stability Testing:	IEC60068-2-6 (Vibration), IEC60068-2-27 (Shock), IEC60068-2-31 (Free Fall)			
EMC Standards:	FCC Part 15 B Class A, CE EMC (EN 55035, EN 55032)			
EMI Standards:	FCC Part 15 B Class A, EN 55032, CISPR32, EN 61000-3-2, EN 61000-3-3			
Ethernet Standards:	IEEE 802.3 10Base-T (Ethernet)		IEEE 802.3z 1000Base-X (Gigabit Ethernet/Fiber),	
	IEEE 802.3u 100Base-TX (Fast Ethernet)		IEEE 802.3ae 10GBase-X (10G Ethernet/Fiber),	
	IEEE 802.3ab 1000Base-T (Gigabit Ethernet/Copper)		IEEE 802.3af Power over Ethernet (PoE)	
	IEEE 802.3bz 2.5GBase-T (2.5Gbps Ethernet),		IEEE 802.3at Power over Ethernet (PoE+)	
	IEEE 802.3x (Flow control)		IEEE 802.3bt Power over Ethernet (PoE++)	
EMS Standards:	IEC/EN61000-4-2 (ESD)	IEC/EN61000-4-3 (RS)	IEC/EN61000-4-4 (EFT)	EN61000-4-5 (Surge)
	IEC/EN61000-4-6 (CS)	IEC/EN61000-4-8 (PFMF)	IEC/EN61000-4-11 (Dips)	



General Specifications (cont.)

LEDs:	Power Input Status	PWR1/PWR2:	Green for sufficient power
	Copper Ethernet Port	LNK/ACT:	Solid green for successful link, blinking green for Ethernet activity
		SPEED:	Green for 2.5Gbps link, Amber for 1Gbps link, Off for 10/100Mbps link
	SFP/SFP+ Port	FBR1/FBR2:	Green for successful link
	Power over Ethernet Status	PoE 1/2/3/4:	Green for active PoE delivery
Environment:	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 ~ 90% (Non-Condensing)	
	Operating Altitude	Up to 2000m	
Construction:		Metal, IP40 protection	
Dimensions:		1.38" (W) x 3.46" (D) x 5.12" (H), (35mm x 88mm x 130mm) *Not including connectors or DIN bracket	
Mounting:		Standard DIN rail (TS-35)	
Weight:		1.00 lbs. / 0.45 kg	
Warranty:		5 Years - Visit www.fiber opticlink.com for warranty information and coverage details	

Ordering Information

Description	Part Number
4+2 Unmanaged PoE++ (90 watts) 10/100/1G/2.5G Industrial Ethernet Switch, SFP+(1G/10G) ports 52-57VDC	ETH-42GXP-BT-1

Contact

By Mail:	ATTN: Sales	
	RLH Industries, Inc. 936 N. Main Street Orange, CA 92867	
By Phone:	Local	714-532-1672
Sales/Service:	Toll Free	800-877-1672
By Email:	info@fiber opticlink.com	
By Fax:	714-532-1885	

Support

By Email:	support@fiber opticlink.com
By Phone:	Toll Free 855-754-2497