4+2 Industrial Unmanaged 2.5G SFP+ Ultra PoE++ Switch

ETH-42GXP-BT-1

Transmit up to 2.5Gbps Ethernet and 90W PoE over copper, and up to 10Gbps Ethernet over fiber

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 covered by our limited 5 Year Warranty.
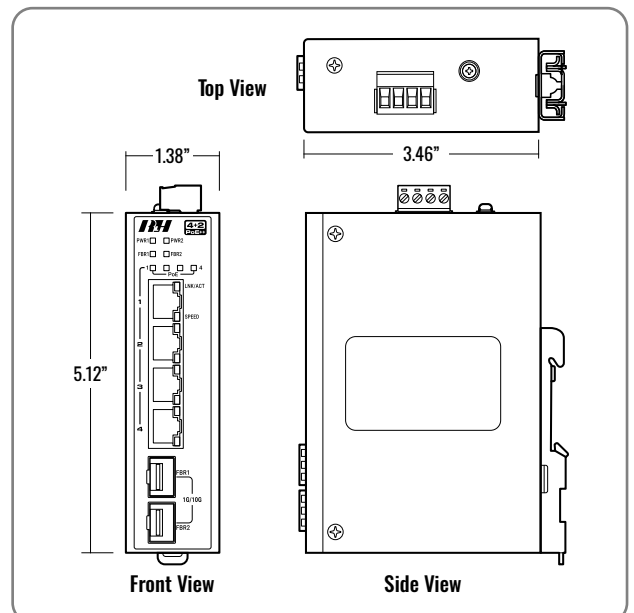

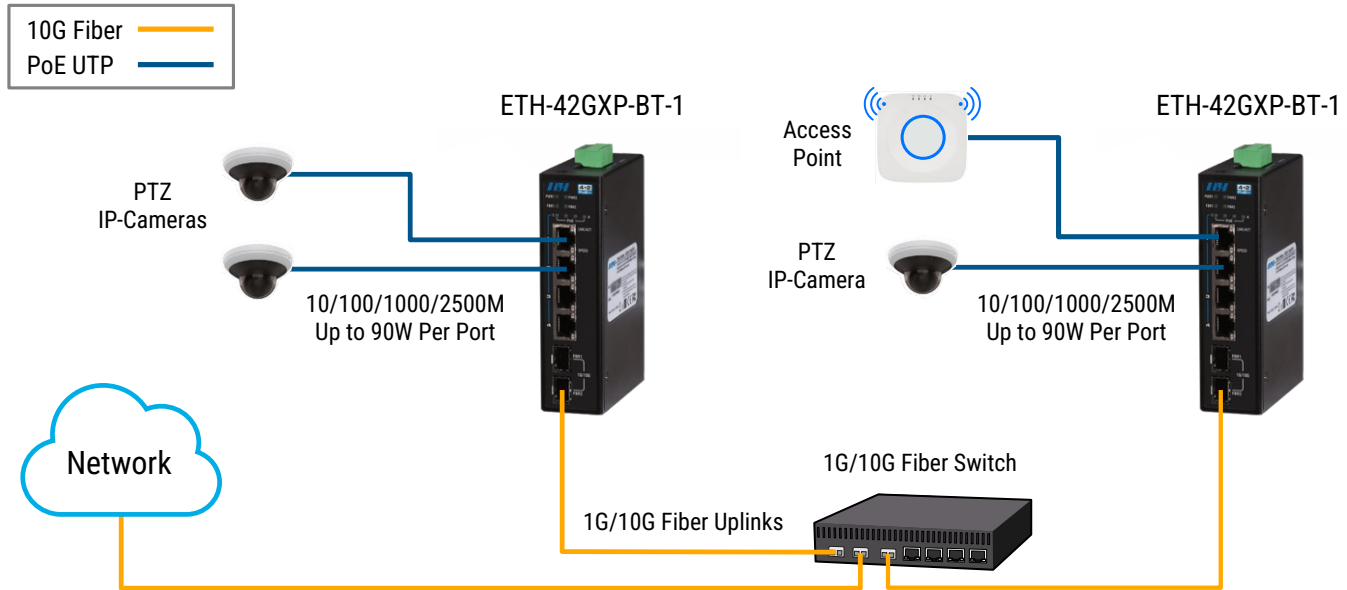*4+2 Industrial Unmanaged 2.5G SFP+ Ultra PoE++ Switch*

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°F to +167°F (-40°C to +75°C

- 52~57VDC redundant power inputs

- DIN Rail mountable

- UL Listed, RoHS Complaint, FCC Part 15 B Class A

- Covered by our limited 5 Year Warranty

Dimensional Information

Top View

1.38"

3.46"

5.12"

Front View

Side View

Application

| 10G Fiber |
| PoE UTP |

ETH-42GXP-BT-1

PTZ
IP-Cameras

10/100/1000/2500M
Up to 90W Per Port

Network

Access
Point

PTZ
IP-Camera

ETH-42GXP-BT-1

10/100/1000/2500M
Up to 90W Per Port

1G/10G Fiber Switch

1G/10G Fiber Uplinks

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	CE EMC (EN 55035, EN 55032), FCC Part 15 B Class A			
EMI Standards	EN 55032, CISPR32, EN 61000-3-2, EN 61000-3-3, FCC Part 15 B Class A			
Ethernet Standards	**IEEE 802.3** 10Base-T (Ethernet), **IEEE 802.3z** 1000Base-X (Gigabit Ethernet/Fiber), **IEEE 802.3x** (Flow control)	**IEEE 802.3ae** 10GBase-X (10G Ethernet/Fiber), **IEEE 802.3ab** 1000Base-T (Gigabit Ethernet/Copper)		**IEEE 802.3u** 100Base-TX (Fast Ethernet), **IEEE 802.3bz** 2.5GBase-T (2.5Gbps Ethernet), **IEEE 802.3af/at/bt** Power over Ethernet (PoE) / PoE+ / PoE++
EMS Standards	IEC/EN61000-4-2 (ESD) IEC/EN61000-4-6 (CS)	IEC/EN61000-4-3 (RS) EN61000-4-5 (Surge) IEC/EN61000-4-8 (PFMF)		IEC/EN61000-4-4 (EFT) IEC/EN61000-4-11 (Dips)

General Specifications   (Cont'd)

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	Limited 5-Year	Visit www.fiberopticlink.com for warranty information and coverage details

Ordering Information

Description	Part Number
4+2 Industrial Unmanaged 2.5G SFP+ Ultra PoE++ Switch	**ETH-42GXP-BT-1**

Contact

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