



HAZPRO™ LINK

Certified for hazardous and explosive environments, the HazPro Link is a low power mesh network router that lets you set up reliable, self-healing mesh networks wherever you need. Equipped with a flameproof enclosure and an intrinsically safe antenna output, the HazPro Link has an IP66 rating and an extended operating temperature range, all encompassed in a compact design that is easy to set up and deploy.

Based on Wirepas Mesh network protocol, the HazPro Link is highly extensible and works with other 802.15.4 based protocols including but not limited to Zigbee, Bluetooth®, WirelessHART®, ISA 100, and Thread®. The HazPro Link is low maintenance and can be updated remotely with Over-the-Air (OTA) firmware updates.

Developed and manufactured in Singapore, the HazPro Link can be used in tandem with the HarshPro™ Link, or with the HarshPro™ M.2 Radio to provide a gateway for a complete mesh network solution.





HAZPRO LINK SPECIFICATIONS¹

Size:	103mm (L) x 103mm (W) x 80mm (H)
Weight:	1.1 Kg
Enclosure:	Flameproof (ex 'd')
Cable Entry:	1 entry, ø3/4inch F-NPT

Environmental

Operating temperature:	-40°C to +85°C
Storage temperature:	-40°C to +85°C
Humidity:	5-95% RH (non-condensing)
Altitude:	Up to 15,000 ft
Ingress protection:	IP66

Power

Options:	DC input
Input Voltage:	12V to 24V

¹ Specifications listed here may be subject to change



Input Current:	up to 25 mA
Power Consumption:	Approx. 140 mW

Radio

Chipset:	Silicon Labs EFR32
Frequency:	2.4Ghz ISM
Transmit Power:	Up to 10 dBm
Link to Link Range:	Up to 90 meters (line of sight)
Protocol:	Wirepas Mesh, Zigbee, Bluetooth®, Thread® or Proprietary
Encryption:	AES128
Firmware Over-the-Air Updates	Yes

Antenna

Type:	External omni-directional
Gain:	2 dBi
Connector:	N type male
Dimension:	55mm (H) x 22mm (D)

Antenna Coupler

Antenna Side Connector:	N type female
Thread Connection:	¾" NPT
RF Output:	Intrinsically safe (ex 'ia')
Dimension:	94mm (H) x 35mm (D)

Power Cable

AWG:	20 to 16 (0.5mm ² - 1.5mm ²)
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Regulatory²

Hazardous Area Protection Method:	Flameproof (ex 'd') & intrinsic safety (ex 'ia')
Equipment Protection Level ³ :	Gb (zone 1), Db (zone 21)
Hazardous Area Certifications:	ATEX, IECEx

² Equipment pending certification

³ Equipment supports Zone 0 operation. HazPro Link must be installed in Zone 1.



Country Type Approvals:

CE, FCC, RoHS3, REACH

Mounting Options

Indoor/Outdoor

Wall mount
Wall mount using wall/pole kit
Pole mount
Pole mount using wall/pole kit

