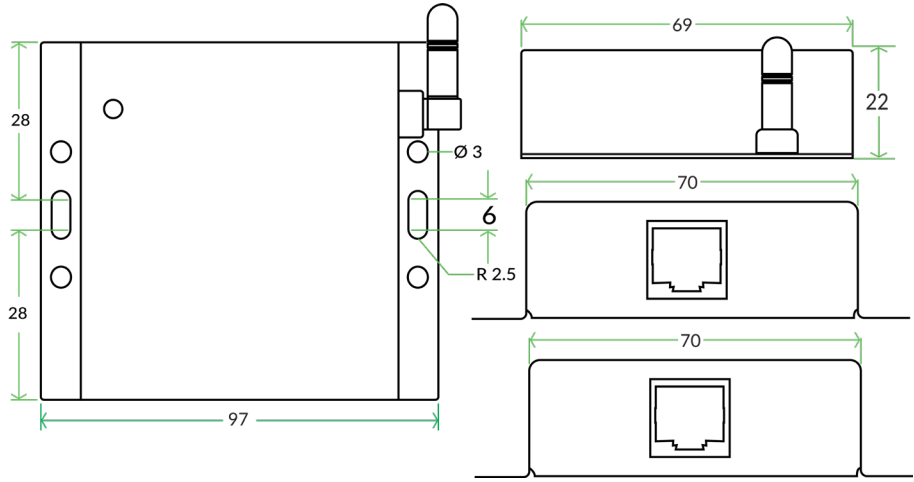




Wireless (LoRa) Hub (EXP-LWHUB)



units in mm

Enable wireless communication between your sensors and the Base Unit over a distance of up to 2km (1.2 miles). Utilizes the LoRa point-to-point communication protocol and supports connectivity for up to 16 sensor nodes.

Certification:

FCC and CE Certified

Sensor Metrics:

Chipset	SX 1276	
Current rating	30-35 mA - transmit mode 10-15 mA - receive mode	
Max line of sight	2km or 1.2 miles	
Frequency range	400 - 1000 Mhz	
Regional frequencies	Common name	Channel plan
	EU 868 US 915 CN 779 EU 433 AU 915 CN 470 AS 923 KR 920 IN 865 RU 864	EU 863-870 Mhz US 902-928 Mhz CN 779-787 Mhz EU 433 Mhz AU 915-928 Mhz CN 470-510 Mhz AS 923 Mhz KR 920-923 Mhz IN 865-867 Mhz RU 864-870 Mhz

Technical Specifications:

Powered by and communicates with	Base Unit (BASE-XX) required 1 wireless hub per Base Unit
Connectivity	RJ45 cable transmitting data & power from Base Unit to Sensor
Cable specification	RJ45 CAT 6/7 recommended Up to 100m (330ft) subject to cable quality & interference
Sensor power Usage	720 mW

Environmental Specifications:

Operating temperature range	-55°C to +115°C (-67°F to +185°F)
Humidity (operating and storage)	< 90% rH (non-condensating)

Physical Specifications:

Sensor enclosure	Steel enclosure, industrial grade
Mounting option	0U rack, DIN rail, magnetic, or wall mountable sensor
Dimensions	70 mm (2.75") x 95 mm (3.74") x 20 mm (0.78")
Weight	150g (331 lb)

The visual appearance and dimensions presented on this datasheet are for illustrative purposes only and are subject to change without prior notice. Actual product appearance and dimensions may vary due to continuous product improvement and manufacturing