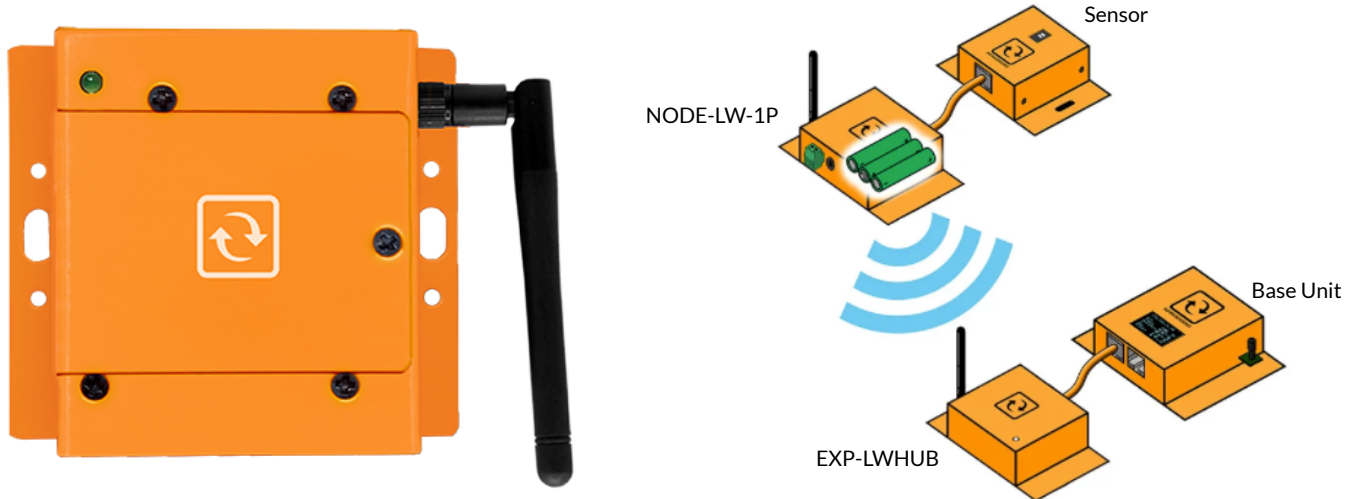




# Wireless (LoRa) Node (NODE-LW-1P)



The Wireless Node (NODE-LW-1P) serves as an intermediary adapter, facilitating seamless connectivity between InfraSensing sensors and the monitoring system. Leveraging the LoRa point-to-point communication protocol, this innovative device ensures reliable data transmission with minimal interference. With one wireless node dedicated to each sensor, the system guarantees optimal performance and efficiency in data acquisition and analysis.

## Certification:

FCC and CE Certified
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## 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:

Power usage	720 mW
Power usage (continuous)	12v DC, 24v DC, 5v (USB-C)
Power usage (battery as back up)	3x AAA batteries - user changeable

## 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 (0.33 lb)