

Network

Smart, secure data flow and accessibility.

Coordinates bi-directional data flow between sensors and the cloud. Ensures continuous monitoring and data access.



Hub



Repeater

Features

- Simple, low cost installation - needs only a standard internet connection
- Scalable - easy to adjust network coverage and add/remove/replace sensors as needed to meet the business needs
- Secure, reliable data capture, transfer and storage - guarantees protection of record integrity
- Continuous access to data - no switching back to pen/paper-based systems when power and network outages occur
- Real-time, visual sensor alerts so local Users can react quickly to protect the business effectively
- Intelligent self diagnostics and system alerts maximise sensor network efficiency and uptime

Technical Specifications

hub

Dimensions	120.7 x 121.7 x 43.0mm
Weight	240g (inc. wall bracket)
Water resistance	Splash proof when mounted in correct position
Ambient operating conditions	0 to +40°C at ≤ 90% humidity (non-condensing)
Power source options	External DC power supply (+5V, 2A) or Power over Ethernet (PoE)
Power backup	≥ 1 hour - from internal battery (lithium-ion polymer 3.7V 1300 mAh)
Internet connectivity	10/100Mbps Ethernet with PoE and 2.4GHz Wi-Fi®
Data storage capacity	≤ 5 days per sensor (dependent on sensor type and configuration)
Wireless communication protocols	Wi-Fi 802.11 (2.4GHz), ZigBee® 2.4GHz (IEEE 802.15.4)
Electronic certification	CE and FCC/UL compliant
User feedback modes	Push switch and Red/Green/high intensity Blue LEDs for status indication
Max number of configurable Zigbee sensors/repeaters	< 100 devices (under optimised, balanced network conditions)

repeater

Dimensions	92.3 x 93.3 x 38.3mm
Weight	160g (inc. wall bracket)
Water resistance	Splash proof when mounted in correct position
Ambient operating conditions	0 to +40°C at ≤ 90% humidity (non-condensing)
Power source options	External DC power supply (+5V, 1A)
Power backup	≥ 1 hour - from internal battery (lithium-ion 3.7V 2250 mAh)
Wireless communication protocols	ZigBee® 2.4GHz (IEEE 802.15.4)
Electronic certification	CE and FCC/UL compliant
User feedback modes	Magnetic reed switch and Red/Green/high intensity Blue LEDs for status indication

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