HONEYWELL CENTRAL HUB

Universal Connectivity Gateway

Collecting the gas sensor data of the wireless instrument and reporting to the platform in real time.

The Central Hub utilizes Long Range Low Power (LoRa) radio that collects the gas sensor data from Honeywell gas detectors and reports it in real-time to the Honeywell Safety Suite software solution. The Hub supports three uplink connection methods: Ethernet, Wi-Fi and Cellular.

- Supports GPS positioning and regularly report device location information
- Supports multi-channel LoRa enabled gas detectors
- Multiple indicators show the working status of the equipment
- Aids wall-mounted, desktop, and car installation



FEATURES AND BENEFITS



Supports three uplink connection methods, Ethernet, Wi-Fi & Cellular

Supports up to 64 LoRa enabled gas detectors per Central Hub





Allow multiple Central Hubs to to work together for wide area coverage



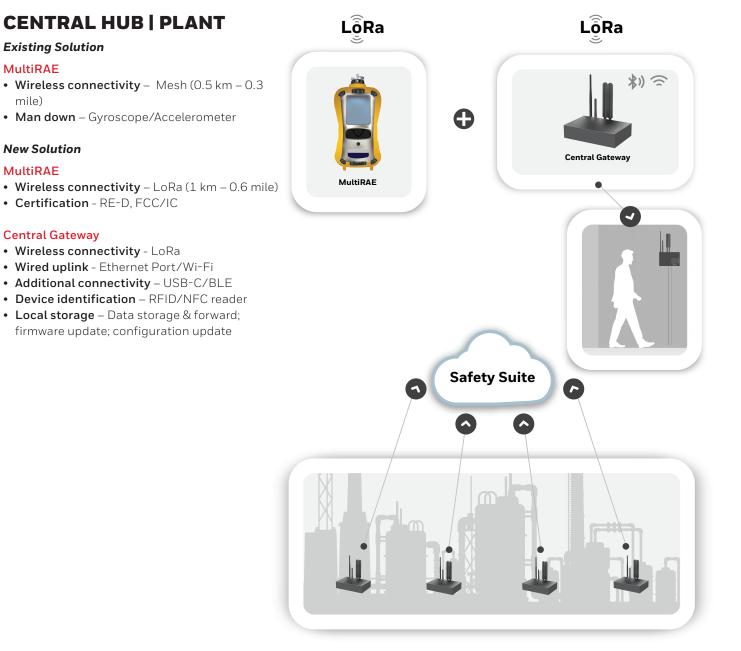
TABLE 1. HARDWARE SPECIFICATIONS		
SPECIFICATIONS	DESCRIPTION	REMARKS
Core	ARM 4-core processor; 2 GB RAM; 8 GB Flash Ubuntu OS, Python	
Power supply	DC power supply, 12 V ~ 24 V, 500 mA or USB Type C input: 5 V, 2 A	
Power consumption	6 W	
LoRa	868/915 MHz band & 470 MHz band Honeywell Proprietary LoRa network	Downlink to gas detectors
Ethernet	10/100M adaptive	RJ45, uplink
4G	LTE FDD, CAT/4	Uplink
Wi-Fi	802.11 g/n 2.4 GHZ	Uplink
Bluetooth*	BT/BLE 5.0	Reserved
GPS/BD	GPS L1 C/A, -163 dBm tracking sensitivity	Support active antenna
Storage memory	Micro-SD card, 32 GB memory	
USB	USB TypeC	
NFC reader	13.56 MHz	Buzzer ack, reserved
SIM cellular	1.8 V/3.0 V, plug-in card	
Key/button	Power button; reset button	Power button:On/Off Reset button: Hot reset
LED	Status indication	Power LED: Green RF LED: LoRa activity, Green LAN LED: Green Wi-Fi LED: Green LTE LED: Green Fault LED: Red, unit fault
Working temperature	-4°F to 140°F (-20°C to 60°C)	
Storage temperature	-40°F to 140°F (-40°C to 60°C)	
Enclosure	IP30	
Size	194 mm x 131 mm x 44,5 mm 950 g device, 1.7 kg with package 7.64" x 5.16" x 1.75" 2.1lbs device, 3.27lbs with package	
LoRa range	Up to 0.62 mile/1 km (gas detectors) Up to 64 per Central Hub	

* Bluetooth is a trademark of Bluetooth Special Interest Group (SIG)

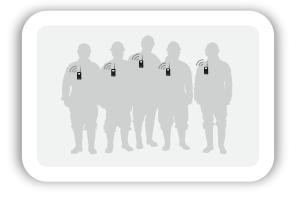
TABLE 2. SOFTWARE SPECIFICATIONS			
SPECIFICATIONS	DESCRIPTION	REMARKS	
User interface	Embedded web server, show the Central Hub's status; configure its parameters		
Log (SD card)	Record the device working log, FDD dial-in log, error log	Easy to check and helps manage device maintenance	
Firmware update	Update the Central Hub firmware through web browser interface		
Reset	Hot reset, web browser interface command reset		

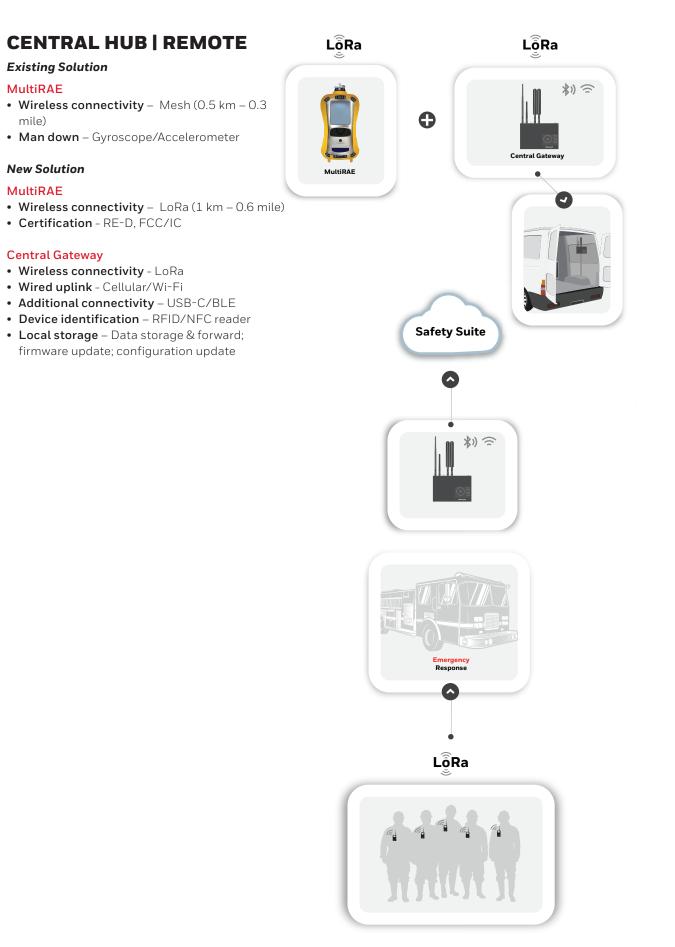
TABLE 3. ENVIRONMENTAL COMPLIANCERoHs3REACHUS California Proposition 65TSCA PBT SubstancesTABLE 4. CERTIFICATIONSCertification: RE-D for EUFCC & IC for North AmericaMobile Network Operator Approvals for 4G moduleSafety UL/EN60950-1 for AC adaptor

Compliance: ROHS/REACH /Prop65 compliance



Private Network







For more information

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