3. PRODUCT SPECIFICATION

LoRaWAN Specification	LoRaWAN 1.0.3
Frequency Band	Select 863~870MHz or 902~928MHz
Number of Channels	Up to 8 concurrent channels for LoRa transmission
LoRa Transmit Power	0.5W (up to 27 dBm)
LoRa Receive Sensitivity	Down to -139dBm@SF12, BW 125 kHz.
LoRa Software	Package Forwarder
Advanced Software features	OpenVPN, built-in LoRaWAN Network Server & Node-RED, Cellular Internet Routing function
Standard Host Communication	Ethernet 100Mbps, via outdoor RJ45 connector
Optional External Cellular Module	LTE Cat 4, supports multi-region and global bands as below Frequency Bands for AU: LTE-FDD (B1/2/3/4/5/7/8/28) LTE-TDD (B40) Frequency Bands for EU: LTE-FDD (B1/3/7/8/20/28A) LTE-TDD (B38/40/41) Frequency Bands for A: LTE-FDD (B2/4/12) Frequency Bands for Global: LTE-FDD (B1/2/3/4/5/7/8/12/13/18/19/20/25/26/28) LTE-TDD (B38/39/40/41)
Optional GPS	GPS + GLONASS
Antenna Type	Single/Dual LoRa antenna, optional 4G LTE internal/external antenna
Power supply	12 - 24 VDC
Ethernet port	Optional support PoE+ source 802.3at
Housing	Anodized Aluminum, IP67, can withstand Wind speeds up to 200 Km/h
Working temperature	-40 to 70 oC
Dimensions	Diameter of 70 mm, H:500 mm (include antenna)
Weight	< 2.0kg

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