

IV. PRODUCT SPECIFICATIONS

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| 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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