

TECHNICAL SPECIFICATIONS

The LYNKED Mesh RF Comm. Module A (CM-MRFA) is an attachment that can be plugged into a supported end device to provide Wi-SUN® communication capabilities. End devices such as smart meters, sensors, and IoT devices that are equipped with this communication module are to be used in conjunction with a LYNKED Mesh RF Gateway (CG-400).

Physical Characteristics

- **Dimensions:** 80 × 54 × 29.5 mm (L x W x H)
- **Weight:** 48.5 g
- Uses 12 pin connector

LYNKED Mesh RF (Wi-SUN®)

- Operates based on IEEE® 802.15.4g/e standard
- **Frequency band:** US915 (902-928 MHz)
- Mesh network topology
- **Output power:** 27 dBm (max)
- **Receiving Sensitivity:** -108 dBm @50 kbps, PER=10%
- **Antenna gain:** 2 dBi
- **Antenna input impedance:** 50 Ω
- **VSWR:** ≤ 1.5 typical
- **Data rate:** 50 kbps (129 channels)

Electrical Characteristics

- **Power supply input:** 7/12 VDC typical
- **I/O logic voltage:** 3.3 VDC
- **Recommended minimum power supply current:** 2 A @ 7 VDC, 1 A @ 12 VDC

Environment

- Suitable for Pollution Degree 2 environments
- **Altitude:** Up to 2000 m
- For indoor and outdoor use when used in an appropriate enclosure
- **Operating temperature:** -20 °C to +70 °C
- **Relative humidity:** 0% to 95% (non-condensing) at 25 °C

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