

TECHNICAL SPECIFICATIONS

The LYNKED Mesh RF Repeater (CN-40) is used to extend the range of the wireless network and increase the strength of the signal. This repeater is used in conjunction with a LYNKED Mesh RF Gateway (CG-400) and LYNKED Mesh RF end-devices such as smart meters, sensors, and IoT devices that are on the same mesh network.

Physical Characteristics

- **Dimensions:** 115 × 86 × 44.5 mm (L x W x H)
- **Weight:** 140g
- **Power supply connector type:** USB-C port
- **Mounting:** Electronics enclosure provides screw holes for wall mounting

Environment

- Suitable for Pollution Degree 2 environments
- **Altitude:** Up to 2000 m
- For indoor and outdoor use when used in an appropriate enclosure
- **Main unit operating temperature:** -20 °C to +70 °C
- **External power supply operating temperature:** 0 °C to 40 °C
- **Relative humidity:** 0% to 95% (non-condensing) at 25 °C

Electrical Characteristics

- **Power supply output:** 5 VDC, 3 A
- Power surge protection
- Overcurrent protection

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)

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