Indoor Coverage for 800 MHz LMR Applications

Product Classification

Product Type
RF repeater unit

General Specifications

Antenna Interface at Repeater
SMA Female

Indoor Antenna
Optional, not included

Optional Antenna Gain
2 dBi

Optional Antenna Type
Omni

Performance Note
Values typical, unless otherwise stated

Supervision/Control Option
Heartbeat via SMS | Remote control

Dimensions

Height
240 mm | 9.449 in

Width
240 mm | 9.449 in

Optional Antenna Length
90 mm | 3.543 in

Depth
35 mm | 1.378 in

Electrical Specifications

Gain
78 dB

Gain Adjustment Range
30 dB

License Band
LMR 800

Local Power
6 Vdc

Mains Power
100–240 Vac

Return Loss
10 dB

Power Consumption
20 W
Electrical Specifications, Rx (Uplink)

**Operating Frequency Band**: 806 – 824 MHz  
**Output Power @ One Carrier**: 22 dBm  
**Output Power @ Two Carriers**: 19 dBm

Electrical Specifications, Tx (Downlink)

**Operating Frequency Band**: 851 – 869 MHz  
**Output Power @ One Carrier**: 22 dBm  
**Output Power @ Two Carriers**: 19 dBm

Environmental Specifications

**Operating Temperature**: +5 °C to +40 °C (+41 °F to +104 °F)  
**Ingress Protection Test Method**: IEC 60529:2001, IP30

Packaging and Weights

**Weight, net**: 1.5 kg | 3.307 lb

Regulatory Compliance/Certifications

**Agency** | **Classification**  
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ISO 9001:2015 | Designed, manufactured and/or distributed under this quality management system