



Indoor Coverage for 850 MHz Cellular 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 80 mm | 3.15 in
Depth 35 mm | 1.378 in

Electrical Specifications

Return Loss 10 dB
Gain 78 dB
Gain Adjustment Range 30 dB
License Band CEL 850
Local Power 6 Vdc
Mains Power 100–240 Vac
Power Consumption 20 W

7613680 | MR8518

Electrical Specifications, Rx (Uplink)

Operating Frequency Band	824 – 849 MHz
Output Power @ One Carrier	22 dBm
Output Power @ Two Carriers	19 dBm

Electrical Specifications, Tx (Downlink)

Operating Frequency Band	869 – 894 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
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Regulatory Compliance/Certifications

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

