



Indoor Coverage for 900 MHz GSM, 900 MHz UMTS, and 900 MHz LTE 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

Depth 35 mm | 1.378 in

Optional Antenna Length 90 mm | 3.543 in

Electrical Specifications

Gain, typical 70 dB

Gain Adjustment Range 30 dB

License Band GSM 900 | LTE 900 | UMTS 900

Local Power 6 Vdc

Mains Power 100–240 Vac

Return Loss 10 dB

Power Consumption 20 W

7599148 | MR918

Electrical Specifications, Rx (Uplink)

Operating Frequency Band	890 – 915 MHz
Output Power @ One Carrier	18 dBm
Output Power @ Two Carriers	15 dBm
Output Power Note	Possible slight degradation of LTE requirement unwanted emission limit at certain passband adjustments and carrier constellation

Electrical Specifications, Tx (Downlink)

Operating Frequency Band	935 – 960 MHz
Output Power @ One Carrier	18 dBm
Output Power @ Two Carriers	15 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
CHINA-ROHS	Above maximum concentration value
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system
REACH-SVHC	Compliant as per SVHC revision on www.commscope.com/ProductCompliance
ROHS	Compliant/Exempted

