



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

Electrical Specifications, Rx (Uplink)

Operating Frequency Band 890 – 915 MHz

7599148 | MR918

| | |
|-----------------------------|--|
| 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)

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|-----------------------------|---------------|
| Operating Frequency Band | 935 – 960 MHz |
| Output Power @ One Carrier | 18 dBm |
| Output Power @ Two Carriers | 15 dBm |

Environmental Specifications

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|--------------------------------|-------------------------------------|
| 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 |
|---------------|--|
| CHINA-ROHS | Above maximum concentration value |
| ISO 9001:2015 | Designed, manufactured and/or distributed under this quality management system |
| ROHS | Compliant/Exempted |
| UK-ROHS | Compliant/Exempted |

