



Indoor Coverage for 1800 MHz GSM and 1800 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
Optional Antenna Length 80 mm | 3.15 in
Depth 35 mm | 1.378 in

Electrical Specifications

Return Loss 10 dB
Gain 70 dB
Gain Adjustment Range 30 dB
License Band GSM 1800 | LTE 1800
Local Power 6 Vdc
Mains Power 100–240 Vac
Power Consumption 20 W

7600606 | MR1818U

Electrical Specifications, Rx (Uplink)

Operating Frequency Band	1730 – 1785 MHz
Output Power @ One Carrier	18 dBm (3GPP) 18 dBm (GSM 05.05)
Output Power @ Two Carriers	15 dBm (3GPP) 15 dBm (GSM 05.05)
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	1825 – 1880 MHz
Output Power @ One Carrier	18 dBm (3GPP) 18 dBm (GSM 05.05)
Output Power @ Two Carriers	15 dBm (GSM 05.05) 15 dBm (UMTS)

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

