



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

Depth 35 mm | 1.378 in

Optional Antenna Length 80 mm | 3.15 in

Electrical Specifications

Gain, typical 70 dB

Gain Adjustment Range 30 dB

License Band GSM 1800 | LTE 1800

Local Power 6 Vdc

Mains Power 100–240 Vac

Return Loss 10 dB

Power Consumption 20 W

Electrical Specifications, Rx (Uplink)

Operating Frequency Band 1730 – 1785 MHz

7600606 | MR1818U

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
ROHS	Compliant/Exempted
UK-ROHS	Compliant/Exempted

