



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
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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

