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
Electrical Specifications, Rx (Uplink)

Operating Frequency Band 1710 – 1765 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 1805 – 1860 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)

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

Regulatory Compliance/Certifications

Agency ISO 9001:2015
Classification Designed, manufactured and/or distributed under this quality management system