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

Optional Antenna Length

90 mm  |  3.543 in

Depth

35 mm  |  1.378 in

Electrical Specifications

Gain

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

**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)

**Operating Frequency Band**  
935 – 960 MHz

**Output Power @ One Carrier**  
18 dBm

**Output Power @ Two Carriers**  
15 dBm

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**  
CHINA-ROHS

**Classification**  
Above maximum concentration value

ISO 9001:2015

**Classification**  
Designed, manufactured and/or distributed under this quality management system

REACH-SVHC

**Classification**  
Compliant as per SVHC revision on www.commscope.com/ProductCompliance

ROHS

**Classification**  
Compliant/Exempted