



Indoor Coverage for 400 MHz TETRA and Tetrapol 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

Optional Modem Type External GSM

Performance Note Values typical, unless otherwise stated

Supervision/Control Option Heartbeat via SMS | Remote control

Dimensions

Height 270 mm | 10.63 in

Width 240 mm | 9.449 in

Depth 45 mm | 1.772 in

Optional Antenna Length 165 mm | 6.496 in

Electrical Specifications

Gain, typical 70 dB

Gain Adjustment Range 30 dB

License Band TETRA | Tetrapol

Local Power 6 Vdc

Mains Power 100–240 Vac

Return Loss 10 dB

7615374 | MR418 410-415 420-425

Power Consumption	25 W
Electrical Compliance	ETSI TS 101 789-1

Electrical Specifications, Rx (Uplink)

Operating Frequency Band	380 – 385 MHz 410 – 415 MHz 415 – 420 MHz
Output Power @ One Carrier	19 dBm
Output Power @ Two Carriers	16 dBm

Electrical Specifications, Tx (Downlink)

Operating Frequency Band	390 – 395 MHz 420 – 425 MHz 425 – 430 MHz
Output Power @ One Carrier	19 dBm
Output Power @ Two Carriers	16 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	3.2 kg 7.055 lb
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Regulatory Compliance/Certifications

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

