

Product Specifications

COMMScope®



Andrew Solutions

MR418

Indoor Coverage for 400 MHz TETRA and Tetrapol Applications

General Specifications

Antenna Interface at Repeater	SMA Female
Indoor Antenna	Optional; not included
Optional Antenna Gain	2 dBi
Optional Antenna Length	165.00 mm 6.50 in
Optional Antenna Type	Omni

Electrical Specifications

Gain	70 dB
License Band	TETRA Tetrapol
Electrical Compliance	ETSI TS 101 789-1
Gain Adjustment Range	30 dB
Return Loss	10.0 dB
Power Consumption	25 W

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

Supervision And Control

Optional Modem Type	External GSM Integrated GSM
Supervision/Control Option	Heartbeat via SMS Remote control

Environmental Specifications

Ingress Protection Test Method	IEC 60529:2001, IP30
Operating Temperature	+5 °C to +40 °C (+41 °F to +104 °F)

Product Specifications

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Dimensions

Depth	45.00 mm 1.77 in
Height	270.00 mm 10.63 in
Width	240.00 mm 9.45 in
Net Weight	3.20 kg 7.05 lb

Note

Performance Note Values typical, unless otherwise stated

Regulatory Compliance/Certifications

Agency	Classification
ISO 9001:2008	Designed, manufactured and/or distributed under this quality management system