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
### Power Consumption
25 W

### Electrical Compliance
ETSI TS 101 789-1

### Electrical Specifications, Rx (Uplink)

<table>
<thead>
<tr>
<th>Operating Frequency Band</th>
<th>380 – 385 MHz</th>
<th>410 – 415 MHz</th>
<th>415 – 420 MHz</th>
</tr>
</thead>
<tbody>
<tr>
<td>Output Power @ One Carrier</td>
<td>19 dBm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Output Power @ Two Carriers</td>
<td>16 dBm</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Electrical Specifications, Tx (Downlink)

<table>
<thead>
<tr>
<th>Operating Frequency Band</th>
<th>390 – 395 MHz</th>
<th>420 – 425 MHz</th>
<th>425 – 430 MHz</th>
</tr>
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<tr>
<td>Output Power @ One Carrier</td>
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### Environmental Specifications

- **Operating Temperature**: +5 °C to +40 °C (+41 °F to +104 °F)

- **Ingress Protection Test Method**: IEC 60529:2001, IP30

### Packaging andWeights

- **Weight, net**: 3.2 kg | 7.055 lb

### Regulatory Compliance/Certifications

<table>
<thead>
<tr>
<th>Agency</th>
<th>Classification</th>
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<tr>
<td>ISO 9001:2015</td>
<td>Designed, manufactured and/or distributed under this quality management system</td>
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