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

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<tbody>
<tr>
<td><strong>Height</strong></td>
<td>270 mm</td>
</tr>
<tr>
<td><strong>Width</strong></td>
<td>240 mm</td>
</tr>
<tr>
<td><strong>Depth</strong></td>
<td>45 mm</td>
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<tr>
<td><strong>Optional Antenna Length</strong></td>
<td>165 mm</td>
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### Electrical Specifications

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<tr>
<td><strong>Gain, typical</strong></td>
<td>70 dB</td>
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<tr>
<td><strong>Gain Adjustment Range</strong></td>
<td>30 dB</td>
</tr>
<tr>
<td><strong>License Band</strong></td>
<td>TETRA</td>
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<tr>
<td><strong>Local Power</strong></td>
<td>6 Vdc</td>
</tr>
<tr>
<td><strong>Mains Power</strong></td>
<td>100–240 Vac</td>
</tr>
<tr>
<td><strong>Return Loss</strong></td>
<td>10 dB</td>
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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

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