8-port sector antenna, 2x 790–960 and 6x 1710–2690 MHz, 65° HPBW, 4x RET with manual override.

- Integrated Internal Remote Electrical Tilt (RET), with independent control of electrical tilt with manual override on all arrays
- All Internal RET actuators are connected in “Cascaded SRET” configuration

### Electrical Specifications

<table>
<thead>
<tr>
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</thead>
<tbody>
<tr>
<td>Gain, dBi</td>
<td>15.6</td>
<td>15.9</td>
<td>15.7</td>
<td>16.1</td>
<td>17.0</td>
<td>17.4</td>
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<tr>
<td>Beamwidth, Horizontal, degrees</td>
<td>65</td>
<td>64</td>
<td>61</td>
<td>61</td>
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<tr>
<td>Beamwidth, Vertical, degrees</td>
<td>11.1</td>
<td>10.4</td>
<td>10.4</td>
<td>9.3</td>
<td>7.8</td>
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<tr>
<td>Beam Tilt, degrees</td>
<td>0–10</td>
<td>0–10</td>
<td>0–10</td>
<td>0–10</td>
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<tr>
<td>USLS (First Lobe), dB</td>
<td>18</td>
<td>18</td>
<td>18</td>
<td>18</td>
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<tr>
<td>Front-to-Back Ratio at 180°, dB</td>
<td>24</td>
<td>25</td>
<td>27</td>
<td>27</td>
<td>31</td>
<td>29</td>
</tr>
<tr>
<td>CPR at Boresight, dB</td>
<td>16</td>
<td>14</td>
<td>16</td>
<td>16</td>
<td>17</td>
<td>17</td>
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<tr>
<td>CPR at Sector, dB</td>
<td>9</td>
<td>9</td>
<td>5</td>
<td>4</td>
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<tr>
<td>Isolation, Inter-band, dB</td>
<td>30</td>
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<td>30</td>
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<tr>
<td>VSWR</td>
<td>Return Loss, dB</td>
<td>1.43</td>
<td>15.0</td>
<td>1.43</td>
<td>15.0</td>
<td>1.5</td>
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<tr>
<td>PIM, 3rd Order, 2 x 20 W, dBc</td>
<td>-150</td>
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<td>-150</td>
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<tr>
<td>Input Power per Port, maximum, watts</td>
<td>300</td>
<td>300</td>
<td>250</td>
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<tr>
<td>Polarization</td>
<td>±45°</td>
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<td>Impedance</td>
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<td>50 ohm</td>
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</table>

### Electrical Specifications, BASTA*

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</thead>
<tbody>
<tr>
<td>Gain by all Beam Tilts, average, dBi</td>
<td>15.3</td>
<td>15.6</td>
<td>15.5</td>
<td>16.0</td>
<td>16.6</td>
<td>16.7</td>
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<tr>
<td>Gain by all Beam Tilts Tolerance, dB</td>
<td>±0.3</td>
<td>±0.2</td>
<td>±0.5</td>
<td>±0.3</td>
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<tr>
<td>Gain by Beam Tilt, average, dBi</td>
<td>0°</td>
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<td>0°</td>
<td>15.6</td>
<td>0°</td>
<td>15.5</td>
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<tr>
<td>Beamwidth, Horizontal Tolerance, degrees</td>
<td>±1.3</td>
<td>±1.5</td>
<td>±2.3</td>
<td>±3</td>
<td>±5</td>
<td>±6</td>
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<tr>
<td>Beamwidth, Vertical Tolerance, degrees</td>
<td>±0.6</td>
<td>±0.4</td>
<td>±0.6</td>
<td>±0.7</td>
<td>±0.4</td>
<td>±0.5</td>
</tr>
<tr>
<td>USLS, beampeak to 20° above beampeak, dB</td>
<td>18</td>
<td>18</td>
<td>18</td>
<td>18</td>
<td>18</td>
<td>18</td>
</tr>
<tr>
<td>Front-to-Back Total Power at 180° ± 30°, dB</td>
<td>24</td>
<td>26</td>
<td>23</td>
<td>25</td>
<td>27</td>
<td>26</td>
</tr>
<tr>
<td>CPR at Boresight, dB</td>
<td>17</td>
<td>15</td>
<td>18</td>
<td>18</td>
<td>19</td>
<td>20</td>
</tr>
<tr>
<td>CPR at Sector, dB</td>
<td>9</td>
<td>9</td>
<td>6</td>
<td>5</td>
<td>7</td>
<td>5</td>
</tr>
</tbody>
</table>

* CommScope® supports NGMN recommendations on Base Station Antenna Standards (BASTA). To learn more about the benefits of BASTA, download the whitepaper Time to Raise the Bar on BSAs.

**Array Layout**

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General Specifications

Operating Frequency Band
1710 – 2690 MHz | 790 – 960 MHz

Antenna Type
Sector

Band
Multiband

Performance Note
Outdoor usage

Mechanical Specifications

RF Connector Quantity, total
8

RF Connector Quantity, low band
2

RF Connector Quantity, high band
6

RF Connector Interface
7-16 DIN Female

Grounding Type
RF connector inner conductor and body grounded to reflector and mounting bracket

Radome Material
ASA, UV stabilized

RF Connector Location
Bottom

Wind Loading, frontal
209.3 lbf @ 150 km/h | 928.0 N @ 150 km/h

Wind Loading, lateral
356.0 N @ 150 km/h | 80.0 lbf @ 150 km/h

Wind Speed, maximum
241 km/h | 150 mph

Dimensions

Length
2067.0 mm | 81.4 in

Width
353.0 mm | 13.9 in

Depth
209.0 mm | 8.2 in
Regulatory Compliance/Certifications

Net Weight, without mounting kit 27.1 kg  |  59.7 lb

Remote Electrical Tilt (RET) Information

Input Voltage 10–30 Vdc
Internal RET High band (3)  |  Low band (1)
Power Consumption, idle state, maximum 2 W
Power Consumption, normal conditions, maximum 13 W
Protocol 3GPP/AISG 2.0 (Single RET)
RET Interface 8-pin DIN Female  |  8-pin DIN Male
RET Interface, quantity 1 female  |  1 male

Packed Dimensions

Length 2252.0 mm  |  88.7 in
Width 420.0 mm  |  16.5 in
Depth 320.0 mm  |  12.6 in
Shipping Weight 46.5 kg  |  102.5 lb

Regulatory Compliance/Certifications

Agency Classification
RoHS 2011/65/EU Compliant by Exemption
ISO 9001:2015 Designed, manufactured and/or distributed under this quality management system
China RoHS SJ/T 11364-2014 Above Maximum Concentration Value (MCV)
CE Compliant with the relevant CE product directives

Included Products

T-029-GL-E — Adjustable Tilt Pipe Mounting Kit for 2.0*-4.5* (60-115mm) OD round members for panel antennas. Includes 2 clamp sets.

* Footnotes

Performance Note Severe environmental conditions may degrade optimum performance
Adjustable Tilt Pipe Mounting Kit for 2.0"-4.5" (60-115mm) OD round members for panel antennas. Includes 2 clamp sets.

General Specifications

Application: Outdoor
Includes: Brackets | Hardware
Package Quantity: 1

Mechanical Specifications

Color: Silver
Material Type: Galvanized steel
Mechanical Tilt: 0°–8°

Dimensions

Antenna-to-Pipe Distance: 85.0 mm | 3.3 in
Bracket-to-Bracket Distance: 1400.0 mm | 55.1 in
Compatible Diameter, maximum: 115.0 mm | 4.5 in
Compatible Diameter, minimum: 60.0 mm | 2.4 in
Compatible Length, maximum: 2850.0 mm | 112.2 in
Compatible Length, minimum: 1500.0 mm | 59.1 in
Net Weight: 6.0 kg | 13.2 lb

Regulatory Compliance/Certifications

Agency: RoHS 2011/65/EU
Classification: Compliant by Exemption

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

Agency: China RoHS SJ/T 11364-2014
Classification: Above Maximum Concentration Value (MCV)

Agency: CE
Classification: Compliant with the relevant CE product directives