10-port sector/multibeam antenna, 2x 694–960 sector and 8x 1695–2400 multibeam, 65° sector and 33° 4x multibeam, 5x RET with

- All Internal RET actuators are connected in “Cascaded SRET” configuration
- Uses the 4.3-10 connector which is 40 percent smaller than the 7-16 DIN connector

### Electrical Specifications

#### Frequency Band, MHz

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Gain, dBi</td>
<td>16.0</td>
<td>16.5</td>
<td>16.6</td>
<td>18.0</td>
<td>18.7</td>
<td>19.3</td>
<td>19.7</td>
</tr>
<tr>
<td>Gain by all Beam Tilts, average, dBi</td>
<td>15.8</td>
<td>16.3</td>
<td>16.4</td>
<td>17.3</td>
<td>18.3</td>
<td>18.9</td>
<td>19.2</td>
</tr>
<tr>
<td>Gain by all Beam Tilts Tolerance, dB</td>
<td>±0.3</td>
<td>±0.3</td>
<td>±0.3</td>
<td>±0.9</td>
<td>±0.6</td>
<td>±0.6</td>
<td>±1.1</td>
</tr>
<tr>
<td>Beamwidth, Horizontal, degrees</td>
<td>2 °</td>
<td>15.7</td>
<td>2 °</td>
<td>16.2</td>
<td>2 °</td>
<td>16.2</td>
<td>2 °</td>
</tr>
<tr>
<td>Beamwidth, Vertical, degrees</td>
<td>7 °</td>
<td>15.9</td>
<td>7 °</td>
<td>16.4</td>
<td>7 °</td>
<td>16.5</td>
<td>7 °</td>
</tr>
<tr>
<td>Beam Tilt, degrees</td>
<td>30 °</td>
<td>30 °</td>
<td>30 °</td>
<td>30 °</td>
<td>30 °</td>
<td>30 °</td>
<td>30 °</td>
</tr>
<tr>
<td>USLS, beampeak to 20° above beampeak, dB</td>
<td>16</td>
<td>18</td>
<td>15</td>
<td>15</td>
<td>16</td>
<td>17</td>
<td>18</td>
</tr>
<tr>
<td>Front-to-Back Total Power at 180°</td>
<td>2180</td>
<td>28</td>
<td>29</td>
<td>28</td>
<td>29</td>
<td>29</td>
<td>29</td>
</tr>
<tr>
<td>CPR at Boresight, dB</td>
<td>14</td>
<td>15</td>
<td>16</td>
<td>17</td>
<td>18</td>
<td>20</td>
<td>16</td>
</tr>
<tr>
<td>CPR at Sector, dB</td>
<td>11</td>
<td>10</td>
<td>9</td>
<td>5</td>
<td>8</td>
<td>10</td>
<td>7</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

<table>
<thead>
<tr>
<th>Array</th>
<th>Freq (MHz)</th>
<th>Conns</th>
<th>RET (SRET)</th>
<th>AISG RET UID</th>
</tr>
</thead>
<tbody>
<tr>
<td>R1</td>
<td>694-960</td>
<td>1-2</td>
<td>1</td>
<td>CPxxxxxxxxxxxxxR1</td>
</tr>
<tr>
<td>Y1</td>
<td>1695-2400</td>
<td>3-4</td>
<td>2</td>
<td>CPxxxxxxxxxxxxxY1</td>
</tr>
<tr>
<td>Y2</td>
<td>1695-2400</td>
<td>5-6</td>
<td>3</td>
<td>CPxxxxxxxxxxxxxY2</td>
</tr>
<tr>
<td>Y3</td>
<td>1695-2400</td>
<td>7-8</td>
<td>4</td>
<td>CPxxxxxxxxxxxxxY3</td>
</tr>
<tr>
<td>Y4</td>
<td>1695-2400</td>
<td>9-10</td>
<td>5</td>
<td>CPxxxxxxxxxxxxxY4</td>
</tr>
</tbody>
</table>

(Sizes of colored boxes are not true depictions of array sizes)

Port Configuration
General Specifications

Operating Frequency Band  1695 – 2400 MHz | 694 – 960 MHz
Antenna Type             Multibeam
Band                     Multiband
Performance Note        Outdoor usage
Total Input Power, maximum 1000 W @ 50 °C

Mechanical Specifications

RF Connector Quantity, total 10
RF Connector Quantity, low band 2
RF Connector Quantity, high band 8
RF Connector Interface 4.3-10 Female
Grounding Type RF connector inner conductor and body grounded to reflector and mounting bracket
Radome Material Fiberglass, UV resistant
Reflector Material Aluminum
RF Connector Location Bottom
Wind Loading, frontal 425.0 N @ 150 km/h
                     95.5 lbf @ 150 km/h
Wind Loading, lateral 361.0 N @ 150 km/h
                     81.2 lbf @ 150 km/h
Wind Loading, maximum 899.0 N @ 150 km/h
                     202.1 lbf @ 150 km/h
Wind Speed, maximum 241 km/h | 150 mph

Dimensions

Length                2438.0 mm | 96.0 in
Width                 350.0 mm | 13.8 in
Depth                 208.0 mm | 8.2 in
Net Weight            33.5 kg | 73.9 lb

Remote Electrical Tilt (RET) Information

Input Voltage          10–30 Vdc
Internal RET           High band (4) | Low band (1)
Power Consumption, idle state, maximum 1 W
Power Consumption, normal conditions, maximum 8 W
Protocol               3GPP/AISG 2.0 (Single RET)
RET Hardware           CommRET v2
RET Interface          8-pin DIN Female | 8-pin DIN Male
RET Interface, quantity 1 female | 1 male
Packed Dimensions

<table>
<thead>
<tr>
<th>Length</th>
<th>2585.0 mm</th>
<th>101.8 in</th>
</tr>
</thead>
<tbody>
<tr>
<td>Width</td>
<td>456.0 mm</td>
<td>18.0 in</td>
</tr>
<tr>
<td>Depth</td>
<td>357.0 mm</td>
<td>14.1 in</td>
</tr>
<tr>
<td>Shipping Weight</td>
<td>47.7 kg</td>
<td>105.2 lb</td>
</tr>
</tbody>
</table>

Regulatory Compliance/Certifications

<table>
<thead>
<tr>
<th>Agency</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>RoHS 2011/65/EU</td>
<td>Compliant by Exemption</td>
</tr>
<tr>
<td>ISO 9001:2015</td>
<td>Designed, manufactured and/or distributed under this quality management system</td>
</tr>
<tr>
<td>China RoHS SJ/T 11364-2014</td>
<td>Above Maximum Concentration Value (MCV)</td>
</tr>
</tbody>
</table>

Included Products

BSAMNT-4 — Wide Profile Antenna Downtilt Mounting Kit for 2.4 - 4.5 in (60 - 115 mm) OD round members. Kit contains one scissor top bracket set and one bottom bracket set.

* Footnotes

**Performance Note**

Severe environmental conditions may degrade optimum performance
Wide Profile Antenna Downtilt Mounting Kit for 2.4 - 4.5 in (60 - 115 mm) OD round members. Kit contains one scissor top bracket set and one bottom bracket set.

General Specifications

**Application**  
Outdoor

**Includes**  
Brackets | Hardware

**Package Quantity**  
1

Mechanical Specifications

**Color**  
Silver

**Material Type**  
Galvanized steel

Dimensions

**Compatible Diameter, maximum**  
115.0 mm | 4.5 in

**Compatible Diameter, minimum**  
60.0 mm | 2.4 in

**Net Weight**  
6.6 kg | 14.6 lb

Regulatory Compliance/Certifications

**Agency**  
RoHS 2011/65/EU

**Classification**  
Compliant by Exemption

RoHS 2011/65/EU

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

ISO 9001:2015

**Classification**  
Above Maximum Concentration Value (MCV)

China RoHS SJ/T 11364-2014