Oscar 421
2G/3G/4G/WiFi MIMO directional Antenna

Key Features
- Weatherproof and UV Resistant
- MIMO Directional Antenna

General Description
The Oscar 421 is an excellent panel antenna covering many popular frequencies in use today. Its radome is UV and water proof making it a great outdoors antenna.

Fitted with 0.4M RG58 tails ready for connection to standard or low loss cable for extended distance to the Transmitter/Reciever.

Ideal for use in sports arenas and shopping malls to provide either telephone or WiFi network access services.

The flat panel design pushes out the signal in one direction enabling a higher directional gain to be achieved.

The Oscar 421 comes with a stainless steel bracket and U bolt clamp for wall or standard mast mounting.

Additional Considerations
- Wide coverage of frequencies
- Can be connected to standard or low loss cable
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Electrical Specifications

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frequency range</td>
<td>700-960/1700-2700MHz</td>
</tr>
<tr>
<td>Gain</td>
<td>700-960MHz 5dBi, 1700-2700MHz 9dBi</td>
</tr>
<tr>
<td>VSWR</td>
<td>≤2.5</td>
</tr>
<tr>
<td>Impedance</td>
<td>50 Ohm</td>
</tr>
<tr>
<td>Polarization</td>
<td>Linear Vertical</td>
</tr>
</tbody>
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Mechanical Specifications

<table>
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<th>Parameter</th>
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<tbody>
<tr>
<td>Dimensions</td>
<td>L223 x W200 x H60mm</td>
</tr>
<tr>
<td>Connector</td>
<td>N Female x2</td>
</tr>
<tr>
<td>Cable</td>
<td>RG58</td>
</tr>
<tr>
<td>Material</td>
<td>ABS Polymer</td>
</tr>
<tr>
<td>Mounting Method</td>
<td>U-bolts</td>
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Dimensions:
L223 x W200 x H60mm

Connector:
N Female x2

Cable:
RG58

Material:
ABS Polymer

Mounting Method:
U-bolts
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Antenna 1
Return Loss

VSWR

Antenna 2
Return Loss

VSWR
Radiation Patterns Port 1

E-Plane

700MHz

H-Plane

800MHz
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E-Plane

H-Plane

900MHz

1700MHz
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E-Plane
H-Plane

1800MHz

1900MHz
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E-Plane
2100MHz

H-Plane

2200MHz
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E-Plane
2400MHz

H-Plane
2500MHz

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E-Plane
2700MHz

H-Plane

Radiation Patterns Port 2
E-Plane
700MHz

H-Plane
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E-Plane

H-Plane

800MHz

900MHz
Oscar 421
2G/3G/4G/WiFi MIMO directional Antenna

E-Plane
1700MHz

H-Plane

1800MHz
Oscar 421

2G/3G/4G/WiFi MIMO directional Antenna

E-Plane

2200MHz

H-Plane

2400MHz
Oscar 421
2G/3G/4G/WiFi MIMO directional Antenna

E-Plane

2500MHz

H-Plane

2700MHz

Ordering Details

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
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<tr>
<td>OSCAR421/0.4M/NTYPEF/S/S/19</td>
<td>2G/3G/4G/WiFi MIMO directional antenna</td>
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