Altelix AU2GM2-PRO Series
2.4 GHz Omni MIMO Antenna Kits

- For use with Ubiquiti, MikroTik, Cambium & TP-Link Radios
- Includes radio mounting brackets and cables
- Professional quality 2x2 MIMO antennas

Radios not included, shown for reference.
Overview

The AU2GM2-PRO Antenna Kits feature the Altelix 2.4GHz PRO Series 2x2 MIMO Omni Antennas. Their professional quality design integrates two independent antennas, one vertically polarized and one horizontal, within a rugged weatherproof radome. Dual polarity 2x2 MIMO support allows increased data throughput.

These antennas include a versatile mounting kit that can be used to attach a Ubiquiti Networks RocketM2®, MikroTik BaseBox® 2, Cambium ePMP 1000 or TP-Link WBS-210 directly to the antenna. To use with other radio types, notches are provided in the bracket so the radio can be secured using zip-ties.

These kits also include a pair of low loss RP-SMA to N Male cables for connecting the radios to the antenna.

Radios Supported:
• Ubiquiti RocketM2®
• MikroTik BaseBox® 2
• Cambium ePMP™ 1000
• TP-Link WBS-210

Kits Include:
• (1) Altelix Dual Polarized MIMO Omni Antenna
• (1) Bracket set for mounting radios
• (2) RP-SMA to N Male Low Loss Cables

Antenna Features:
• Dual polarity 2x2 MIMO operation
• 2.4 GHz band coverage (2400-2500 MHz)
• UV stable PVC radomes
• All-weather operation
• Rugged extruded aluminum antenna base
• Heavy duty mounting hardware

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Altelix LLC USA: 866-660-WIFI (9434) +1 561-660-9434 sales@altelix.com www.altelix.com
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Altelix AU2GM2-PRO Series

Models

AU2G12M2-PRO (2.4 GHz, 12 dBi)

AU2G15M2-PRO (2.4 GHz, 15 dBi)

47.2" (1200mm)

12.2" (310mm)
# Antenna Specifications

<table>
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<tr>
<th>Model</th>
<th>AU2G12M2-PRO</th>
<th>AU2G15M2-PRO</th>
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<tr>
<td>Frequency Range</td>
<td>2400-2500 MHz</td>
<td>2400-2500 MHz</td>
</tr>
<tr>
<td>Gain</td>
<td>12dBi</td>
<td>15dBi</td>
</tr>
<tr>
<td>Polarization</td>
<td>Vertical + Horizontal</td>
<td>Vertical + Horizontal</td>
</tr>
<tr>
<td>Vertical Beamwidth</td>
<td>12 Degrees</td>
<td>8 Degrees</td>
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<tr>
<td>Horizontal Beamwidth</td>
<td>360 Degrees</td>
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</tr>
<tr>
<td>VSWR</td>
<td>&lt;1.5:1</td>
<td>&lt;1.5:1</td>
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<tr>
<td>Impedance</td>
<td>50 Ohm</td>
<td>50 Ohm</td>
</tr>
<tr>
<td>Maximum Power</td>
<td>100 Watts</td>
<td>100 Watts</td>
</tr>
<tr>
<td>Connector</td>
<td>Dual Type N Female</td>
<td>Dual Type N Female</td>
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<tr>
<td>Dimensions</td>
<td>Ø2.8 x 44 In. (Ø72x1120 mm)</td>
<td>Ø2.8 x 47.2 In. (Ø72x1200 mm)</td>
</tr>
<tr>
<td>Mast Diameter</td>
<td>1.6–2.3 Inches (40-60 mm)</td>
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</tr>
<tr>
<td>Weight</td>
<td>6.6 Lbs. (3.0 Kg)</td>
<td>7.7 Lbs. (3.5 Kg)</td>
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<tr>
<td>Temperature Range</td>
<td>-40 – 149F (-40 – 65C)</td>
<td>-40 – 149F (-40 – 65C)</td>
</tr>
<tr>
<td>Lightning Protection</td>
<td>DC Ground</td>
<td>DC Ground</td>
</tr>
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</table>
Altelix AU2GM2-PRO Series

AU2G12M2-PRO – Antenna Patterns

H-Pol @ 2450 MHz

V-Pol @ 2450 MHz

AU2G15M2-PRO – Antenna Patterns

H-Pol @ 2450 MHz

V-Pol @ 2450 MHz