

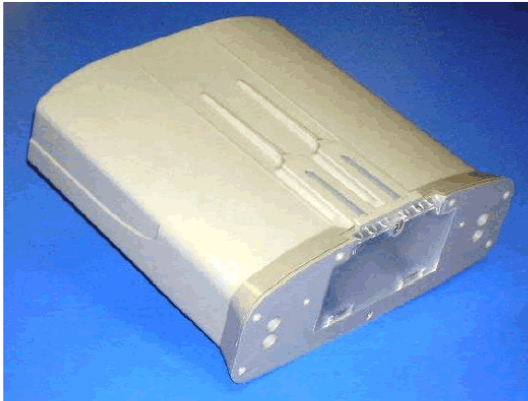


**4Net Networking Corp.**  
Computer Network Products

**4Net Networking Corporation**  
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**ARC wireless solutions**  
"Patented Antenna Solutions"  
[www.4netonline.com](http://www.4netonline.com)

## 2.3-2.5GHz 16dBi ARC Pilot™ for ARC Integrated Enclosure Solution



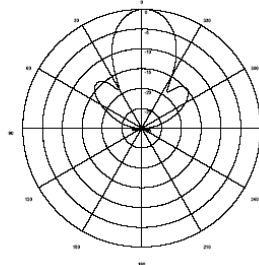
- ◆ Transparent cable access cover for LED viewing
- ◆ Cost effective Integrated Plastic Enclosure Solution
- ◆ IP-65 rated
- ◆ Patent pending non-gasket design
- ◆ Desktop or pole mount options
- ◆ Low profile and rugged design for outdoor use
- ◆ US Engineered
- ◆ Manufactured under strict US quality control procedures

| Mechanical and Environmental Specifications |  |
|---|--|
| Length x Width x Depth                      | 11.12 in x 4.05 in x 10.49 in<br>(28.2 cm x 10.3 cm x 26.6 cm) |
| Radio Area Dimensions                       | 8.62 in x 9.30 in x 1.16 in<br>(21.9 cm x 23.6 cm x 2.95 cm)   |
| Weight                                      | 3.2 lbs (1.5 kg)   |
| Groundplane                                 | Aluminum   |
| Radome                                      | UV stabilized ABS Plastic, gray                                |
| Wind Survivability                          | 125 mph (201 kph)  |
| Wind Load                                   | .77 ft <sup>2</sup> (0.072 m <sup>2</sup> )                    |
| Operating Temperature Range                 | -49°F to +149°F<br>(-45°C to +65°C)                            |
| Pole Mount Diameter Range                   | 1.3 in—2.0 in (3.3 cm—5.1 cm)                                  |

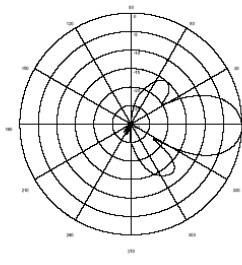
| Electrical Specifications            |                            |
|--------------------------------------|----------------------------|
| Frequency Range                      | 2.3-2.5 GHz                |
| Gain                                 | 16.0 dBi typical           |
| 3dB Beamwidth<br>Vertical/Horizontal | 26 deg/26 deg              |
| Polarization                         | Single linear,<br>vertical |
| VSWR                                 | ≤1.5:1 typical, 1.7:1 max  |
| Front-to-Back Ratio                  | ≤30 dB                     |
| Cross Polarization                   | ≤20 dB                     |
| Power Rating                         | 6 watts                    |
| Impedance                            | 50 ohms                    |
| Lightning Protection                 | DC ground                  |
| Connector Type                       | R/A SMA Jack               |

| Ordering Information  |   |
|---|---|
| Part #  | Description   |
| ARC-IP2416S01   | 2.3-2.5GHz 16dBi, R/A SMA Jack                              |
| Order with Radio Pigtail Cables Below   |   |
| Part #  | Description   |
| ARC-CJ1054S01   | R/A MMCX/SMA Plug, 10" Low Loss Cable                       |
| ARC-CJ1055S01   | U.FL/SMA Plug, 10" Low Loss Cable                           |
| Order with 5/8" Tall Adhesive Radio Standoffs Below                               |   |
| Part #  | Description   |
| ARC-IX9051B01   | For Radios with 0.125" dia. mounting holes                  |
| ARC-IX9052B01   | For Radios with 0.145"-0.156" dia. mounting holes           |
| ADDITIONAL ARC IES™ ACCESSORIES AND RADIO PIGTAIL CABLES ALSO AVAILABLE FOR ORDER |   |
| Shipping Information  |   |
| Sizes and Weights   | Description   |
| 23.9in x 12.4in x 12.5in, 25lbs<br>(60.7cm x 31.5cm x 31.6cm 11.3 kg)             | Package includes 5 single pack<br>boxes in an over-pack box |

RF Patterns  
Vertical Cut, typ.



RF Patterns  
Horizontal Cut, typ.



Specifications subject to change without notice.

Rev 120408 Don't see what you need? Contact us to discuss alternate configurations.

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