

NNV4-360S-HG-F2



12-port small cell antenna, 4x 698-896, 8x 1695–2690, 360° Horizontal Beamwidth, fixed tilt.

- Antenna optimized for higher gain with superior radiation efficiency
- Powered by Andrew’s SEED® technology (Sustainable Energy Efficient Design)

General Specifications

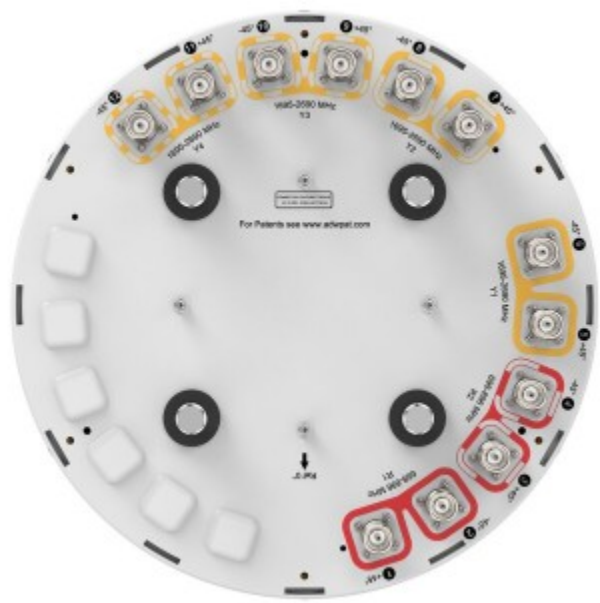
| | |
|---------------------------------|--|
| Antenna Type | Small Cell |
| Band | Multiband |
| Color | Light Gray (RAL 7035) |
| Grounding Type | RF connector inner conductor and body grounded to reflector and mounting bracket |
| Performance Note | Outdoor usage |
| Radome Material | ASA |
| Radiator Material | Aluminum Low loss circuit board |
| Reflector Material | Aluminum |
| RF Connector Interface | 4.3-10 Female |
| RF Connector Location | Bottom |
| RF Connector Quantity, mid band | 8 |
| RF Connector Quantity, low band | 4 |
| RF Connector Quantity, total | 12 |

Dimensions

| | |
|----------------------------------|---------------------|
| Length | 610 mm 24.016 in |
| Net Weight, without mounting kit | 13.5 kg 29.762 lb |
| Outer Diameter | 370 mm 14.567 in |

Port Configuration

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Electrical Specifications

| | |
|--------------------------|---------------------------------|
| Impedance | 50 ohm |
| Operating Frequency Band | 1695 – 2690 MHz 698 – 896 MHz |
| Polarization | ±45° |

Electrical Specifications

| | R1,R2 | R1,R2 | Y1-Y4 | Y1-Y4 | Y1-Y4 | Y1-Y4 |
|-----------------------------------|------------|------------|------------|------------|------------|------------|
| Frequency Band, MHz | 698–806 | 806–896 | 1695–1920 | 1920–2180 | 2300–2360 | 2360–2690 |
| RF Port | 1-4 | 1-4 | 5-12 | 5-12 | 5-12 | 5-12 |
| Gain, Maximum, dBi | 6.7 | 6.8 | 8.8 | 9.3 | 10 | 10.7 |
| Gain, dBi | 6.4 | 6.5 | 8.5 | 9 | 9.8 | 10.3 |
| Beamwidth, Horizontal, degrees | 360 | 360 | 360 | 360 | 360 | 360 |
| Beamwidth, Vertical, degrees | 35.3 | 31.2 | 16.3 | 14.5 | 13.4 | 11.5 |
| Beam Tilt, degrees | 2 | 2 | 2 | 2 | 2 | 2 |
| USLS (First Lobe), dB | 12 | 12 | 10 | 11 | 11 | 10 |
| Isolation, Cross Polarization, dB | 25 | 25 | 25 | 25 | 25 | 25 |
| Isolation, Inter-band, dB | 25 | 25 | 25 | 25 | 25 | 25 |
| VSWR Return loss, dB | 1.5 14.0 | 1.5 14.0 | 1.5 14.0 | 1.5 14.0 | 1.5 14.0 | 1.5 14.0 |
| PIM, 3rd Order, 2 x 20 W, dBc | -153 | -153 | -153 | -153 | -153 | -153 |

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|---|-----|-----|-----|-----|-----|-----|
| Input Power per Port at 50°C, maximum, watts | 100 | 100 | 100 | 100 | 100 | 100 |
|---|-----|-----|-----|-----|-----|-----|

Mechanical Specifications

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|---|--|
| Wind Loading @ Velocity, frontal | 129.0 N @ 150 km/h (29.0 lbf @ 150 km/h) |
| Wind Loading @ Velocity, lateral | 129.0 N @ 150 km/h (29.0 lbf @ 150 km/h) |
| Wind Loading @ Velocity, maximum | 129.0 N @ 150 km/h (29.0 lbf @ 150 km/h) |
| Wind Loading @ Velocity, rear | 129.0 N @ 150 km/h (29.0 lbf @ 150 km/h) |
| Wind Speed, maximum | 241 km/h (150 mph) |

Packaging and Weights

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|-----------------------|---------------------|
| Width, packed | 478 mm 18.819 in |
| Depth, packed | 464 mm 18.268 in |
| Length, packed | 894 mm 35.197 in |
| Weight, gross | 17.7 kg 39.022 lb |

Regulatory Compliance/Certifications

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|---------------|-----------------------|
| Agency | Classification |
| UK-ROHS | Compliant |

* Footnotes

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| Performance Note | Severe environmental conditions may degrade optimum performance |
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