

NNV4SSP-360S-F4



18-port small cell antenna, 4x 698-896, 8x 1695-2690, 4x 3400-3800 and 2x 5150-5925 MHz, 360° Horizontal Beamwidth, fixed tilt.

This product will be discontinued on: December 31, 2025

General Specifications

| | |
|---|--|
| Antenna Type | Small Cell |
| Band | Multiband |
| Grounding Type | RF connector inner conductor and body grounded to reflector and mounting bracket |
| Performance Note | Outdoor usage Wind loading figures are validated by wind tunnel measurements described in white paper WP-112534-EN |
| Radome Material | ASA, UV stabilized |
| Radiator Material | Low loss circuit board |
| Reflector Material | Aluminum |
| RF Connector Interface | 4.3-10 Female |
| RF Connector Location | Bottom |
| RF Connector Quantity, high band | 14 |
| RF Connector Quantity, mid band | 0 |
| RF Connector Quantity, low band | 4 |
| RF Connector Quantity, total | 18 |

Dimensions

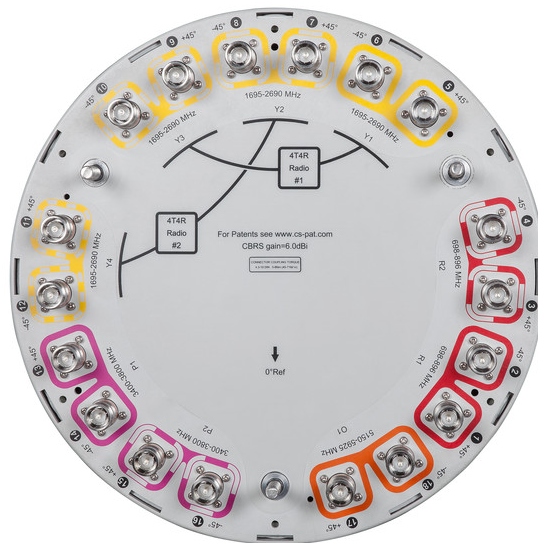
| | |
|---|---------------------|
| Length | 680 mm 26.772 in |
| Net Weight, without mounting kit | 17.2 kg 37.919 lb |
| Outer Diameter | 370 mm 14.567 in |

5 GHz Port Power Table

NNV4SSP-360S-F4

| 5 GHz FCC Power Requirements | | | | |
|---|-------------|-------------|-------------|-------------|
| U-NII Band | U-NII 1 | U-NII 2A | U-NII 2C | U-NII 3 |
| Frequency (MHz) | 5150 - 5250 | 5250 - 5350 | 5470 - 5725 | 5725 - 5850 |
| Max Input power per port to align with FCC Title 47 Part 15 (Watts) | 0.5 | 0.125 | 0.125 | 0.5 |

Port Configuration



Electrical Specifications

| | |
|-----------------------------------|---|
| Impedance | 50 ohm |
| Operating Frequency Band | 1695 – 2690 MHz 3300 – 3800 MHz 5150 – 5925 MHz 698 – 894 MHz |
| Polarization | ±45° |
| Total Input Power, maximum | 900 W @ 50 °C |

Electrical Specifications

| Frequency Band, MHz | 698-806 | 806-896 | 1695-1920 | 1920-2180 | 2300-2690 | 3400-3800 | 5150-5925 |
|---------------------------------------|---------|---------|-----------|-----------|-----------|-----------|-----------|
| Gain, dBi | 5.4 | 5.5 | 7.8 | 8.2 | 9 | 6.4 | 4.6 |
| Beamwidth, Horizontal, degrees | 360 | 360 | 360 | 360 | 360 | 360 | 360 |

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| | | | | | | | |
|---|----------|----------|----------|----------|----------|----------|----------|
| Beamwidth, Vertical, degrees | 34.2 | 36.2 | 19.8 | 16.5 | 14.2 | 32.5 | 24.2 |
| Beam Tilt, degrees | 4 | 4 | 4 | 4 | 4 | 0 | 0 |
| USLS (First Lobe), dB | 12 | 8 | 15 | 15 | 11 | 21 | 6 |
| Isolation, Cross Polarization, dB | 25 | 25 | 25 | 25 | 25 | 25 | 25 |
| Isolation, Inter-band, dB | 25 | 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 | 1.5 14.0 |
| PIM, 3rd Order, 2 x 20 W, dBc | -153 | -153 | -153 | -153 | -153 | | |
| Input Power per Port at 50°C, maximum, watts | 75 | 75 | 75 | 75 | 75 | 35 | 5 |

Mechanical Specifications

| | |
|---|--|
| Effective Projective Area (EPA), frontal | 0.17 m ² 1.83 ft ² |
| Effective Projective Area (EPA), lateral | 0.17 m ² 1.83 ft ² |
| Wind Loading @ Velocity, maximum | 144.0 N @ 150 km/h (32.4 lbf @ 150 km/h) |
| Wind Speed, maximum | 241 km/h (150 mph) |

Packaging and Weights

| | |
|-----------------------|--------------------|
| Width, packed | 478 mm 18.819 in |
| Depth, packed | 464 mm 18.268 in |
| Length, packed | 966 mm 38.032 in |
| Weight, gross | 21.7 kg 47.84 lb |

Regulatory Compliance/Certifications

| Agency | Classification |
|---------------|--|
| CHINA-ROHS | Below maximum concentration value |
| ISO 9001:2015 | Designed, manufactured and/or distributed under this quality management system |
| ROHS | Compliant |
| UK-ROHS | Compliant |



* Footnotes

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