

# NH360QS-DG-FOM



2-port small cell antenna, 2x (698-896 and 1710–2180 MHz), 360° HPBW with fixed tilt in the low band and manual tilt in the high band. Contains internal diplexer and active GPS L1 band antenna

## OBSOLETE

This product was discontinued on: November 30, 2023

### Replaced By:

NNV4SSP-360S-F2      18-port small cell antenna, 4x 698-896, 8x 1695–2690, 4x 3300- 4200 and 2x 5150-5925 MHz, 360° Horizontal Beamwidth, fixed tilt.

## General Specifications

<b>Antenna Type</b>	Small Cell
<b>Band</b>	Multiband
<b>Color</b>	Light Gray (RAL 7035)
<b>GPS Connector Interface</b>	4.1-9.5 DIN Female
<b>GPS Connector Quantity</b>	1
<b>Grounding Type</b>	RF connector inner conductor and body grounded to reflector and mounting bracket
<b>Internal GPS frequency band</b>	1,575.42 MHz
<b>Internal GPS VSWR</b>	2
<b>Performance Note</b>	Outdoor usage   Wind loading figures are validated by wind tunnel measurements described in white paper WP-112534-EN
<b>Radome Material</b>	ASA, UV stabilized
<b>Radiator Material</b>	Aluminum   Low loss circuit board
<b>Reflector Material</b>	Aluminum
<b>RF Connector Interface</b>	7-16 DIN Female
<b>RF Connector Location</b>	Bottom
<b>RF Connector Quantity, diplexed low and mid bands</b>	2
<b>RF Connector Quantity, total</b>	2

## Dimensions

**Length**      728 mm | 28.661 in

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<b>Net Weight, without mounting kit</b>	12.1 kg   26.676 lb
<b>Outer Diameter</b>	305 mm   12.008 in

## Electrical Specifications

<b>Impedance</b>	50 ohm
<b>Operating Frequency Band</b>	1710 – 2180 MHz   698 – 896 MHz
<b>Polarization</b>	±45°

## Electrical Specifications

Frequency Band, MHz	698–806	806–896	1710–1880	1850–1990	1920–2180
<b>Gain, dBi</b>	5.2	5.5	8.2	8.3	8.6
<b>Beamwidth, Horizontal, degrees</b>	360	360	360	360	360
<b>Beamwidth, Vertical, degrees</b>	35.4	35.6	15.1	14	13.3
<b>Beam Tilt, degrees</b>	0	0	0–16	0–16	0–16
<b>USLS (First Lobe), dB</b>	13	13	10	13	10
<b>Isolation, Cross Polarization, dB</b>	25	25	25	25	25
<b>VSWR   Return loss, dB</b>	1.5 14.0	1.5 14.0	1.5 14.0	1.5 14.0	1.5 14.0
<b>PIM, 3rd Order, 2 x 20 W, dBc</b>	-153	-153	-153	-153	-153
<b>Input Power per Port, maximum, watts</b>	125	125	125	125	125

## Mechanical Specifications

<b>Wind Loading @ Velocity, frontal</b>	121.0 N @ 150 km/h (27.2 lbf @ 150 km/h)
<b>Wind Loading @ Velocity, maximum</b>	121.0 N @ 150 km/h (27.2 lbf @ 150 km/h)
<b>Wind Loading @ Velocity, rear</b>	121.0 N @ 150 km/h (27.2 lbf @ 150 km/h)
<b>Wind Speed, maximum</b>	241 km/h (150 mph)

## Packaging and Weights

<b>Width, packed</b>	427 mm   16.811 in
<b>Depth, packed</b>	407 mm   16.024 in
<b>Length, packed</b>	998 mm   39.291 in
<b>Weight, gross</b>	16.8 kg   37.038 lb

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## Regulatory Compliance/Certifications

**Agency****Classification**

CE	Compliant with the relevant CE product directives
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system
REACH-SVHC	Compliant as per SVHC revision on <a href="http://www.commscope.com/ProductCompliance">www.commscope.com/ProductCompliance</a>



### \* Footnotes

**Performance Note**

Severe environmental conditions may degrade optimum performance