NH360QS-DG-F0M

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

Antenna Type	Small Cell
Band	Multiband
Color	Light Gray (RAL 7035)
GPS Connector Interface	4.1-9.5 DIN Female
GPS Connector Quantity	1
Grounding Type	RF connector inner conductor and body grounded to reflector and mounting bracket
Internal GPS frequency band	1,575.42 MHz
Internal GPS VSWR	2
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	Aluminum | Low loss circuit board
Reflector Material	Aluminum
RF Connector Interface	7-16 DIN Female
RF Connector Location	Bottom
RF Connector Quantity, diplexed low and mid bands	2
RF Connector Quantity, total	2

Dimensions

Length	728 mm | 28.661 in

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Net Weight, without mounting kit	12.1 kg | 26.676 lb
Outer Diameter	305 mm | 12.008 in

Electrical Specifications

Impedance	50 ohm
Operating Frequency Band	1710 – 2180 MHz | 698 – 896 MHz
Polarization	±45°

Electrical Specifications

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

Mechanical Specifications

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

Packaging and Weights

Width, packed	427 mm | 16.811 in
Depth, packed	407 mm | 16.024 in
Length, packed	998 mm | 39.291 in
Weight, gross	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 www.andrew.com/ProductCompliance

* Footnotes

Performance Note	Severe environmental conditions may degrade optimum performance