

NH360QM-D-2XR



2-port small cell antenna, 2x (698-896 and 1695–2200 MHz), 360° HPBW, 2x RET with manual override, internal diplexer

OBSOLETE

This product was discontinued on: November 30, 2023

Replaced By:

NH360QM-DG-2XR

2-port small cell antenna, 2x (698-896 and 1695–2200 MHz), 360° HPBW, 2x RET with manual override, internal diplexer and active GPS L1 band antenna

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 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

Remote Electrical Tilt (RET) Information

RET Interface	8-pin DIN Male
RET Interface, quantity	1 male

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Input Voltage	10–30 Vdc
Internal RET	High band (1) Low band (1)
Power Consumption, idle state, maximum	2 W
Power Consumption, normal conditions, maximum	13 W
Protocol	3GPP/AISG 2.0 (Multi-RET)

Dimensions

Length	982 mm 38.661 in
Net Weight, without mounting kit	15.3 kg 33.731 lb
Outer Diameter	305 mm 12.008 in

Electrical Specifications

Impedance	50 ohm
Operating Frequency Band	1695 – 2200 MHz 698 – 896 MHz
Polarization	±45°
Total Input Power, maximum	400 W @ 50 °C

Electrical Specifications

Frequency Band, MHz	698–806	806–896	1695–1880	1850–1990	1920–2200
Gain, dBi	6.1	7.1	9.7	9.9	9.9
Beamwidth, Horizontal, degrees	360	360	360	360	360
Beamwidth, Vertical, degrees	28.6	25.4	11.2	10.6	10.1
Beam Tilt, degrees	0–20	0–20	0–14	0–14	0–14
USLS (First Lobe), dB	16	15	14	13	13
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	167.0 N @ 150 km/h (37.5 lbf @ 150 km/h)
Wind Loading @ Velocity, maximum	167.0 N @ 150 km/h (37.5 lbf @ 150 km/h)
Wind Loading @ Velocity, rear	167.0 N @ 150 km/h (37.5 lbf @ 150 km/h)

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Wind Speed, maximum 200 km/h (124 mph)

Packaging and Weights

Width, packed 427 mm | 16.811 in

Depth, packed 407 mm | 16.024 in

Length, packed 1251 mm | 49.252 in

Weight, gross 20.6 kg | 45.415 lb

Regulatory Compliance/Certifications

Agency	Classification
CHINA-ROHS	Above maximum concentration value
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system
REACH-SVHC	Compliant as per SVHC revision on www.commscope.com/ProductCompliance
ROHS	Compliant/Exempted
UK-ROHS	Compliant/Exempted



* Footnotes

Performance Note Severe environmental conditions may degrade optimum performance