

# 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

<b>Antenna Type</b>	Small Cell
<b>Band</b>	Multiband
<b>Color</b>	Light Gray (RAL 7035)
<b>Grounding Type</b>	RF connector inner conductor and body grounded to reflector and mounting bracket
<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 high bands</b>	2
<b>RF Connector Quantity, total</b>	2

## Remote Electrical Tilt (RET) Information

<b>RET Interface</b>	8-pin DIN Male
<b>RET Interface, quantity</b>	1 male

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

## Dimensions

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

## Electrical Specifications

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

## Electrical Specifications

<b>Frequency Band, MHz</b>	<b>698–806</b>	<b>806–896</b>	<b>1695–1880</b>	<b>1850–1990</b>	<b>1920–2200</b>
<b>Gain, dBi</b>	6.1	7.1	9.7	9.9	9.9
<b>Beamwidth, Horizontal, degrees</b>	360	360	360	360	360
<b>Beamwidth, Vertical, degrees</b>	28.6	25.4	11.2	10.6	10.1
<b>Beam Tilt, degrees</b>	0–20	0–20	0–14	0–14	0–14
<b>USLS (First Lobe), dB</b>	16	15	14	13	13
<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

## Electrical Specifications, BASTA

<b>Frequency Band, MHz</b>	<b>698–806</b>	<b>806–896</b>	<b>1695–1880</b>	<b>1850–1990</b>	<b>1920–2200</b>
<b>Gain by all Beam Tilts, average, dBi</b>	5.4	6.3	9.3	9.4	9.4

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<b>Gain by all Beam Tilts Tolerance, dB</b>	±1	±0.7	±0.5	±0.7	±0.7
<b>Gain by Beam Tilt, average, dBi</b>	0°   5.1 10°   5.4 20°   5.6	0°   6.3 10°   6.3 20°   6.0	0°   9.2 7°   9.3 14°   9.2	0°   9.3 7°   9.5 14°   9.1	0°   9.4 7°   9.6 14°   9.1
<b>Beamwidth, Vertical Tolerance, degrees</b>	±3.7	±3.2	±0.9	±1.1	±1.1
<b>USLS, beampeak to 20° above beampeak, dB</b>			13	13	13

## Mechanical Specifications

<b>Wind Loading @ Velocity, frontal</b>	167.0 N @ 150 km/h (37.5 lbf @ 150 km/h)
<b>Wind Loading @ Velocity, maximum</b>	167.0 N @ 150 km/h (37.5 lbf @ 150 km/h)
<b>Wind Loading @ Velocity, rear</b>	167.0 N @ 150 km/h (37.5 lbf @ 150 km/h)
<b>Wind Speed, maximum</b>	200 km/h (124 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>	1251 mm   49.252 in
<b>Weight, gross</b>	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 <a href="http://www.commscope.com/ProductCompliance">www.commscope.com/ProductCompliance</a>
ROHS	Compliant/Exempted
UK-ROHS	Compliant/Exempted



### \* Footnotes

<b>Performance Note</b>	Severe environmental conditions may degrade optimum performance
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