

DBXNH-6565B-VM | DBXNH-6565B-A2M



4-port sector antenna, 2x 698–896 and 2x 1710–2180 MHz, 65° HPBW, RET compatible

- Interleaved dipole technology providing for attractive, low wind load mechanical package
- The RF connectors are designed for IP67 rating and the radome for IP56 rating

OBsolete

This product was discontinued on: November 30, 2023

General Specifications

Antenna Type	Sector
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	Fiberglass, UV resistant
Radiator Material	Aluminum
RF Connector Interface	7-16 DIN Female
RF Connector Location	Bottom
RF Connector Quantity, high band	2
RF Connector Quantity, mid band	0
RF Connector Quantity, low band	2
RF Connector Quantity, total	4

Remote Electrical Tilt (RET) Information

Model with Factory Installed AISG 2.0 Actuator	DBXNH-6565B-A2M
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Dimensions

Width	301 mm 11.85 in
Depth	181 mm 7.126 in
Length	1847 mm 72.717 in

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Net Weight, without mounting kit

21 kg | 46.297 lb

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	15.2	16	19.2	19.1	18.2
Beamwidth, Horizontal, degrees	71	66.5	58	57.3	62.5
Beamwidth, Vertical, degrees	12.4	10.9	5.5	5.1	4.8
Beam Tilt, degrees	0–10	0–10	0–6	0–6	0–6
USLS (First Lobe), dB	15	15	15	15	15
Front-to-Back Ratio at 180°, dB	25	25	32	34	32
CPR at Boresight, dB	24	20	25	22	20
CPR at Sector, dB	10	8	10	10	8
Isolation, Cross Polarization, dB	30	30	30	30	30
Isolation, Inter-band, dB	30	30	30	30	30
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	400	400	300	300	300

Mechanical Specifications

Wind Loading @ Velocity, frontal 618.0 N @ 150 km/h (138.9 lbf @ 150 km/h)

Wind Loading @ Velocity, lateral 197.0 N @ 150 km/h (44.3 lbf @ 150 km/h)

Wind Loading @ Velocity, rear 727.0 N @ 150 km/h (163.4 lbf @ 150 km/h)

Wind Speed, maximum 241 km/h (150 mph)

Packaging and Weights

Width, packed 409 mm | 16.102 in

Depth, packed 292 mm | 11.496 in

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Length, packed

2163 mm | 85.158 in

Weight, gross

33.5 kg | 73.855 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

REACH-SVHC

Compliant as per SVHC revision on www.andrew.com/ProductCompliance

ROHS

Compliant

UK-ROHS

Compliant



Included Products

BSAMNT-3

- Wide Profile Antenna Downtilt Mounting Kit for 2.4 - 4.5 in (60 - 115 mm) OD round members.
Kit contains one scissor top bracket set and one bottom bracket set.

* Footnotes

Performance Note

Severe environmental conditions may degrade optimum performance

BSAMNT-3



Wide Profile Antenna Downtilt Mounting Kit for 2.4 - 4.5 in (60 - 115 mm) OD round members. Kit contains one scissor top bracket set and one bottom bracket set.

Product Classification

Product Type	Downtilt mounting kit
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General Specifications

Application	Outdoor
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Color	Silver
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Dimensions

Compatible Diameter, maximum	115 mm 4.528 in
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Compatible Diameter, minimum	60 mm 2.362 in
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Weight, net	6.2 kg 13.669 lb
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Material Specifications

Material Type	Galvanized steel
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Packaging and Weights

Included	Brackets Hardware
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Packaging quantity	1
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Weight, gross	6.4 kg 14.11 lb
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Regulatory Compliance/Certifications

Agency	Classification
CE	Compliant with the relevant CE product directives
CHINA-ROHS	Below 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.andrew.com/ProductCompliance
ROHS	Compliant
UK-ROHS	Compliant

BSAMNT-3

