DBXNH-6565B-VTM | 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

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OBSOLETE

This product was discontinued on: November 30, 2023

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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, low band	2
RF Connector Quantity, total	4

Remote Electrical Tilt (RET) Information

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

Dimensions

Width	301 mm | 11.85 in
Depth	181 mm | 7.126 in
Length	1847 mm | 72.717 in
Net Weight, without mounting kit	21 kg | 46.297 lb

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DBXNH-6565B-VTM | DBXNH-6565B-A2M

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
Length, packed	2163 mm	85.158 in

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DBXNH-6565B-VTM | DBXNH-6565B-A2M

Weight, gross	33.5 kg	73.855 lb

Regulatory Compliance/Certifications

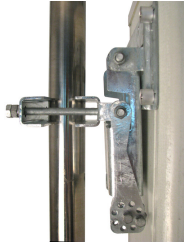| Agency	Classification
CHINA-ROHS	Below maximum concentration value
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system
REACH-SVHC	Compliant as per SVHC revision on www.commscope.com/ProductCompliance
ROHS	Compliant
UK-ROHS	Compliant

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

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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

General Specifications

Application	Outdoor
Color	Silver

Dimensions

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

Material Specifications

Material Type	Galvanized steel

Packaging and Weights

Included	Brackets | Hardware
Packaging quantity	1
Weight, gross	6.4 kg | 14.11 lb

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.commscope.com/ProductCompliance
ROHS	Compliant
UK-ROHS	Compliant

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