

HBXX-6516DS-VTM | HBXX-6516DS-A2M



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

- Each DualPol® array can be independently adjusted for greater flexibility
- Excellent gain, VSWR, front-to-back ratio, and PIM specifications for robust network performance
- Ideal choice for site collocations and tough zoning restrictions
- Great solution to maximize network coverage and capacity

OBSOLETE

This product was discontinued on: December 31, 2023

General Specifications

Antenna Type	Sector
Band	Single band
Color	Light Gray (RAL 7035)
Grounding Type	RF connector inner conductor and body grounded to reflector and mounting bracket
Performance Note	Outdoor usage
Radome Material	PVC, UV resistant
Radiator Material	Low loss circuit board
RF Connector Interface	7-16 DIN Female
RF Connector Location	Bottom
RF Connector Quantity, high band	4
RF Connector Quantity, mid band	0
RF Connector Quantity, low band	0
RF Connector Quantity, total	4

Remote Electrical Tilt (RET) Information

Model with Factory Installed AISG 2.0 Actuator	HBXX-6516DS-A2M
---	-----------------

Dimensions

Width	305 mm 12.008 in
Depth	166 mm 6.535 in
Length	1297 mm 51.063 in

HBXX-6516DS-VTM | HBXX-6516DS-A2M

Net Weight, without mounting kit 13.9 kg | 30.644 lb

Electrical Specifications

Impedance 50 ohm
Operating Frequency Band 1710 – 2180 MHz
Polarization $\pm 45^\circ$

Electrical Specifications

Frequency Band, MHz	1710–1880	1850–1990	1920–2180
Gain, dBi	17.7	18	18
Beamwidth, Horizontal, degrees	67	65.8	64.2
Beamwidth, Vertical, degrees	7.5	7	6.6
Beam Tilt, degrees	0–10	0–10	0–10
USLS (First Lobe), dB	18	18	18
Front-to-Back Ratio at 180°, dB	30	30	30
CPR at Boresight, dB	22	22	21
CPR at Sector, dB	8	9	9
Isolation, Cross Polarization, dB	30	30	30
VSWR Return loss, dB	1.4 15.6	1.4 15.6	1.4 15.6
PIM, 3rd Order, 2 x 20 W, dBc	-153	-153	-153
Input Power per Port, maximum, watts	350	350	350

Mechanical Specifications

Wind Loading @ Velocity, frontal 419.0 N @ 150 km/h (94.2 lbf @ 150 km/h)
Wind Loading @ Velocity, lateral 113.0 N @ 150 km/h (25.4 lbf @ 150 km/h)
Wind Loading @ Velocity, rear 488.0 N @ 150 km/h (109.7 lbf @ 150 km/h)
Wind Speed, maximum 241 km/h (150 mph)

Packaging and Weights

Width, packed 402 mm | 15.827 in
Depth, packed 292 mm | 11.496 in
Length, packed 1427 mm | 56.181 in
Weight, gross 23.5 kg | 51.809 lb

HBXX-6516DS-VTM | HBXX-6516DS-A2M

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



Included Products

- 600899A-2 – 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