

# HBXX-6513DS-VTM | HBXX-6513DS-A2M



4-port sector antenna, 4x 1710–2170 MHz, 65° HPBW, RET compatible

- Two DualPol® antennas under one radome
- Each antenna is independently capable of field adjustable electrical tilt
- Continuous wideband operation

This product will be discontinued on: December 30, 2025

## General Specifications

<b>Antenna Type</b>	Sector
<b>Band</b>	Single band
<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
<b>Radome Material</b>	PVC, UV resistant
<b>Radiator Material</b>	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, high band</b>	4
<b>RF Connector Quantity, mid band</b>	0
<b>RF Connector Quantity, low band</b>	0
<b>RF Connector Quantity, total</b>	4

## Remote Electrical Tilt (RET) Information

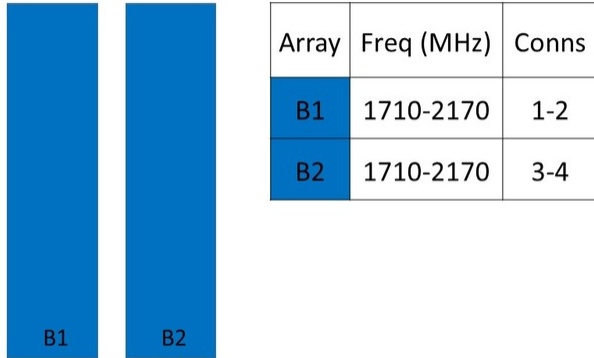
<b>Model with Factory Installed AISG 2.0 Actuator</b>	HBXX-6513DS-A2M
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## Dimensions

<b>Width</b>	305 mm   12.008 in
<b>Depth</b>	166 mm   6.535 in
<b>Length</b>	695 mm   27.362 in
<b>Net Weight, without mounting kit</b>	7.9 kg   17.416 lb

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## Array Layout



Left Bottom Right (Sizes of colored boxes are not true depictions of array sizes)

## Electrical Specifications

<b>Impedance</b>	50 ohm
<b>Operating Frequency Band</b>	1710 – 2170 MHz
<b>Polarization</b>	±45°

## Electrical Specifications

Frequency Band, MHz	1710–1880	1850–1990	1920–2170
<b>Gain, dBi</b>	14.5	14.6	14.9
<b>Beamwidth, Horizontal, degrees</b>	67.1	65.6	63.7
<b>Beamwidth, Vertical, degrees</b>	14.8	14	13.4
<b>Beam Tilt, degrees</b>	0–12	0–12	0–12
<b>USLS (First Lobe), dB</b>	15	15	15
<b>Front-to-Back Ratio at 180°, dB</b>	30	30	30
<b>Front-to-Back Total Power at 180° ± 30°, dB</b>	26	27	27
<b>CPR at Boresight, dB</b>	22	22	22
<b>CPR at Sector, dB</b>	7	8	8
<b>Isolation, Cross Polarization, dB</b>	30	30	30
<b>VSWR   Return loss, dB</b>	1.4   15.6	1.4   15.6	1.4   15.6
<b>PIM, 3rd Order, 2 x 20 W, dBc</b>	-150	-150	-150

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<b>Input Power per Port, maximum, watts</b>	350	350	350
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## Mechanical Specifications

<b>Wind Loading @ Velocity, frontal</b>	223.0 N @ 150 km/h (50.1 lbf @ 150 km/h)
<b>Wind Loading @ Velocity, lateral</b>	53.0 N @ 150 km/h (11.9 lbf @ 150 km/h)
<b>Wind Loading @ Velocity, rear</b>	259.0 N @ 150 km/h (58.2 lbf @ 150 km/h)
<b>Wind Speed, maximum</b>	241 km/h (150 mph)

## Packaging and Weights

<b>Width, packed</b>	485 mm   19.094 in
<b>Depth, packed</b>	349 mm   13.74 in
<b>Length, packed</b>	1253 mm   49.331 in
<b>Weight, gross</b>	17.9 kg   39.463 lb

## Regulatory Compliance/Certifications

<b>Agency</b>	<b>Classification</b>
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 <a href="http://www.andrew.com/ProductCompliance">www.andrew.com/ProductCompliance</a>
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.
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## \* Footnotes

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

## Product Classification

**Product Type** Downtilt mounting kit

## General Specifications

**Application** Outdoor

**Color** Silver

## Dimensions

**Compatible Diameter, maximum** 114.3 mm | 4.5 in

**Compatible Diameter, minimum** 61 mm | 2.402 in

**Weight, net** 3.9 kg | 8.598 lb

## Material Specifications

**Material Type** Galvanized steel

## Packaging and Weights

**Included** Brackets | Hardware

**Packaging quantity** 1

**Weight, gross** 4.2 kg | 9.259 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 <a href="http://www.andrew.com/ProductCompliance">www.andrew.com/ProductCompliance</a>
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600899A-2

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