



## SBCHH-1D65B-V1

**Andrew® Antenna 1 x 806–869 MHz and 2 x 1850–1995 MHz, 65° horizontal beamwidth, remote electrical tilt**

- Two separate AISG inputs to allow controlling low band and high band from two different OEM controllers

### OBSOLETE

This product was discontinued on: December 31, 2014

#### Replaced By

CVV65BSX-M  
CVV65BSX-3X2

Andrew® Tri-band Antenna, 790–960 MHz and 2 x 1710–2690 MHz, 65° horizontal beamwidth, RET compatible

## Electrical Specifications

	LB	HB
Frequency Band, MHz	806–869	1850–1995
Gain, dBi	15.8	18.0
Beamwidth, Horizontal, degrees	65	66
Beamwidth, Vertical, degrees	11.0	5.1
Beam Tilt, degrees	0–10	0–7
USLS, typical, dB	17	15
Front-to-Back Ratio at 180°, dB	30	27
CPR at Boresight, dB	25	17
CPR at Sector, dB	10	9
Isolation, dB	28	28
Isolation, Intersystem, dB	25	28
VSWR   Return Loss, dB	1.43   15.0	1.43   15.0
PIM, 3rd Order, 2 x 20 W, dBc	-150	-150
Input Power per Port, maximum, watts	350	350
Polarization	±45°	±45°
Impedance	50 ohm	50 ohm

## Electrical Specifications, BASTA\*

Frequency Band, MHz	806–869	1850–1995
Beamwidth, Horizontal Tolerance, degrees	±2	±4

\* CommScope® supports NGMN recommendations on Base Station Antenna Standards (BASTA). To learn more about the benefits of BASTA, [download the whitepaper Time to Raise the Bar on BSAs.](#)

## General Specifications

Antenna Brand	Andrew®
Antenna Type	DualPol® multiband with internal RET
Band	Multiband
Brand	DualPol®   Teletilt®
Operating Frequency Band	1850 – 1995 MHz   806 – 869 MHz

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Performance Note

Outdoor usage

## Mechanical Specifications

Color	Light gray
Lightning Protection	dc Ground
Radiator Material	Aluminum
Radome Material	Fiberglass, UV resistant
RF Connector Interface	7-16 DIN Female
RF Connector Location	Bottom
RF Connector Quantity, total	6
Wind Loading, rear	618.0 N @ 150 km/h 138.9 lbf @ 150 km/h
Wind Speed, maximum	241 km/h   150 mph

## Dimensions

Depth	181.0 mm   7.1 in
Length	1847.0 mm   72.7 in
Width	301.0 mm   11.9 in
Net Weight	23.2 kg   51.1 lb

## Remote Electrical Tilt (RET) Information

Input Voltage	10–30 Vdc
Power Consumption, idle state, maximum	2.0 W
Power Consumption, normal conditions, maximum	11.0 W
Protocol	3GPP/AISG 2.0 (Single RET)
RET Interface	8-pin DIN Female   8-pin DIN Male
RET Interface, quantity	1 female   1 male
RET System	Teletilt®

## Packed Dimensions

Depth	292.0 mm   11.5 in
Length	1970.0 mm   77.6 in
Width	409.0 mm   16.1 in
Shipping Weight	34.6 kg   76.2 lb

## Regulatory Compliance/Certifications

### Agency

RoHS 2011/65/EU

China RoHS SJ/T 11364-2006

### Classification

Compliant by Exemption

Above Maximum Concentration Value (MCV)



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## Included Products

**DB380** — Pipe Mounting Kit for 2.4"-4.5" (60-115mm) OD round members on wide panel antennas. Includes 2 clamp sets and double nuts.

**DB5083** — Downtilt Mounting Kit for 2.4"-4.5" (60 - 115 mm) OD round members. Includes a heavy-duty, galvanized steel downtilt mounting bracket assembly and associated hardware. This kit is compatible with the DB380 pipe mount kit for panel antennas that are equipped with two mounting brackets.

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## \* Footnotes

Performance Note	Severe environmental conditions may degrade optimum performance
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## DB380

**Pipe Mounting Kit for 2.4"-4.5" (60-115mm) OD round members on wide panel antennas. Includes 2 clamp sets and double nuts.**

**This product will be discontinued on: May 31, 2016**

### Replaced By

BSAMNT-1

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.

## General Specifications

Antenna Brand	Andrew®
Mount Type	Pipe mounts
Application	Outdoor
Includes	Brackets   Hardware
Package Quantity	1

## Mechanical Specifications

Color	Silver
Material Type	Galvanized steel

## Dimensions

Compatible Diameter, maximum	114.3 mm   4.5 in
Compatible Diameter, minimum	61.0 mm   2.4 in
Net Weight	2.8 kg   6.2 lb

## Regulatory Compliance/Certifications

Agency	Classification
RoHS 2011/65/EU	Compliant
China RoHS SJ/T 11364-2006	Below Maximum Concentration Value (MCV)
ISO 9001:2008	Designed, manufactured and/or distributed under this quality management system





## DB5083

**Downtilt Mounting Kit for 2.4"-4.5" (60 - 115 mm) OD round members. Includes a heavy-duty, galvanized steel downtilt mounting bracket assembly and associated hardware. This kit is compatible with the DB380 pipe mount kit for panel antennas that are equipped with two mounting brackets.**

**This product will be discontinued on: May 31, 2016**

### Replaced By

BSAMNT-1

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.

## General Specifications

Antenna Brand	Andrew®
Mount Type	Downtilt mounts
Application	Outdoor
Includes	Brackets   Hardware
Package Quantity	1

## Mechanical Specifications

Color	Silver
Material Type	Galvanized steel

## Dimensions

Compatible Diameter, maximum	114.3 mm   4.5 in
Compatible Diameter, minimum	61.0 mm   2.4 in
Net Weight	2.2 kg   4.9 lb

## Regulatory Compliance/Certifications

Agency	Classification
RoHS 2011/65/EU	Compliant by Exemption
China RoHS SJ/T 11364-2006	Below Maximum Concentration Value (MCV)
ISO 9001:2008	Designed, manufactured and/or distributed under this quality management system

