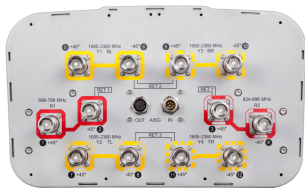


SBJAH4-1D65B-DL



12-port sector antenna, 2x 698–798, 2x 824–896 and 8x 1695–2360 MHz, 65° HPBW, 3x RET and low bands have duplexers

- Interleaved dipole technology providing for attractive, low wind load mechanical package
- Provides support for future Band 14 operations
- The antenna is supplied with mounting kits that provide 0 degree of mechanical downtilt; optional downtilt mounting kits are available

This product will be discontinued on: December 31, 2025

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 Low loss circuit board
Reflector Material	Aluminum
RF Connector Interface	4.3-10 Female
RF Connector Location	Bottom
RF Connector Quantity, high band	8
RF Connector Quantity, mid band	0
RF Connector Quantity, low band	4
RF Connector Quantity, total	12

Remote Electrical Tilt (RET) Information

RET Interface	8-pin DIN Female 8-pin DIN Male
RET Interface, quantity	1 female 1 male
Input Voltage	10–30 Vdc
Internal RET	High band (2) Low band (1)

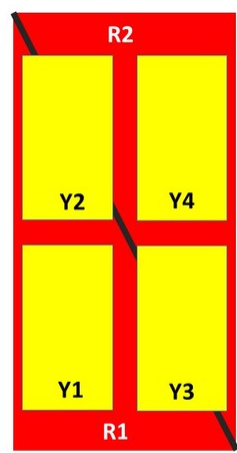
SBJAH4-1D65B-DL

Power Consumption, idle state, maximum	2 W
Power Consumption, normal conditions, maximum	13 W
Protocol	3GPP/AISG 2.0 (Multi-RET)

Dimensions

Width	350 mm 13.78 in
Depth	208 mm 8.189 in
Length	1828 mm 71.969 in
Net Weight, without mounting kit	26.5 kg 58.422 lb

Array Layout

	Array	Freq (MHz)	Conns	RET (MRET)	AISG RET UID
	R1	698-798	1-2	1	ANxxxxxxxxxxxxxxxxxx.1
	R2	824-896	3-4		
	Y1	1695-2360	5-6	2	ANxxxxxxxxxxxxxxxxxx.2
	Y3	1695-2360	9-10		
	Y2	1695-2360	7-8	3	ANxxxxxxxxxxxxxxxxxx.3
	Y4	1695-2360	11-12		
Left Bottom	(Sizes of colored boxes are not true depictions of array sizes)				

Electrical Specifications

Impedance	50 ohm
Operating Frequency Band	1695 – 2360 MHz 698 – 798 MHz 824 – 896 MHz
Polarization	±45°

Electrical Specifications

Frequency Band, MHz	698–798	824–896	1695–1880	1850–1990	1920–2180	2300–2360
Gain, dBi	15.2	15.5	15.4	16.1	16.2	16.7
Beamwidth, Horizontal, degrees	68	65	63	63	65	65
Beamwidth, Vertical, degrees	11.7	10.3	11.3	10.4	9.8	8.9

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Beam Tilt, degrees	2-14	2-14	2-14	2-14	2-14	2-14
USLS (First Lobe), dB	15	16	17	18	18	17
Front-to-Back Ratio at 180°, dB	29	31	30	33	32	34
Isolation, Cross Polarization, dB	28	28	28	28	28	28
Isolation, Inter-band, dB	30	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	1.5 14.0
PIM, 3rd Order, 2 x 20 W, dBc	-153	-153	-153	-153	-153	-153
Input Power per Port, maximum, watts	350	350	350	350	350	300

Mechanical Specifications

Effective Projective Area (EPA), frontal	0.28 m² 3.014 ft²
Effective Projective Area (EPA), lateral	0.24 m² 2.583 ft²
Wind Loading @ Velocity, frontal	301.0 N @ 150 km/h (67.7 lbf @ 150 km/h)
Wind Loading @ Velocity, lateral	254.0 N @ 150 km/h (57.1 lbf @ 150 km/h)
Wind Loading @ Velocity, maximum	638.0 N @ 150 km/h (143.4 lbf @ 150 km/h)
Wind Loading @ Velocity, rear	319.0 N @ 150 km/h (71.7 lbf @ 150 km/h)
Wind Speed, maximum	241 km/h (150 mph)

Packaging and Weights

Width, packed	450 mm 17.717 in
Depth, packed	355 mm 13.976 in
Length, packed	1975 mm 77.756 in
Weight, gross	37.7 kg 83.114 lb

Regulatory Compliance/Certifications

Agency	Classification
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system

Included Products

BSAMNT-2F	–	Mounting bracket for cylindrical pipe installations (60-115mm pipe diameter) for fix mechanical tilt applications.
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* Footnotes

SBJAH4-1D65B-DL

Performance Note Severe environmental conditions may degrade optimum performance

BSAMNT-2F



Mounting bracket for cylindrical pipe installations (60-115mm pipe diameter) for fix mechanical tilt applications.

Product Classification

Product Type Fixed tilt 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 3.8 kg | 8.378 lb

Material Specifications

Material Type Galvanized steel

Packaging and Weights

Included Brackets | Hardware

Packaging quantity 1

Weight, gross 4 kg | 8.818 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.andrew.com/ProductCompliance
ROHS	Compliant
UK-ROHS	Compliant

BSAMNT-2F

