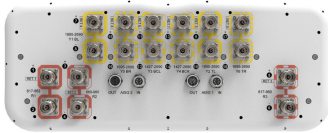


FGKZZV4-65D-R9



18-port sector antenna, 2x 617-862 (R1), 2x 880-960 (R2), 2x 617-960 (R3), 4x 1427-2690 (Y3,Y4) & 8x 1695-2690 (Y1,Y2,Y5,Y6) MHz, 65° HPBW, 9x RET. All Internal RET actuators are connected in “Cascaded SRET” configuration

- All Internal RET actuators are connected in “Cascaded SRET” configuration
- Supports re-configurable antenna sharing capability enabling control of the internal RET system using up to two separate RET compatible OEM radios
- Supports L600 / Band71
- Utilize new aerodynamic endcaps for wind load optimization

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
Radome Material	Fiberglass, UV resistant
Reflector Material	Aluminum
RF Connector Interface	4.3-10 Female
RF Connector Location	Bottom
RF Connector Quantity, high band	12
RF Connector Quantity, mid band	0
RF Connector Quantity, low band	6
RF Connector Quantity, total	18

Remote Electrical Tilt (RET) Information

RET Hardware	CommRET v2
RET Interface	8-pin DIN Female 8-pin DIN Male
RET Interface, quantity	2 female 2 male
Internal RET	High band (6) Low band (3)
Power Consumption, active state, maximum	8 W
Power Consumption, idle state, maximum	1 W

FGKZZV4-65D-R9

Protocol3GPP/AISG 2.0 (Single RET)

Dimensions

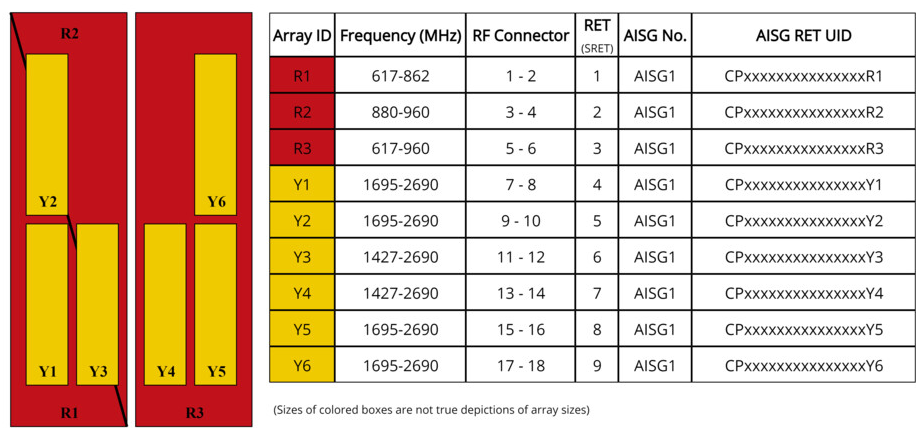
Width498 mm | 19.606 in

Depth197 mm | 7.756 in

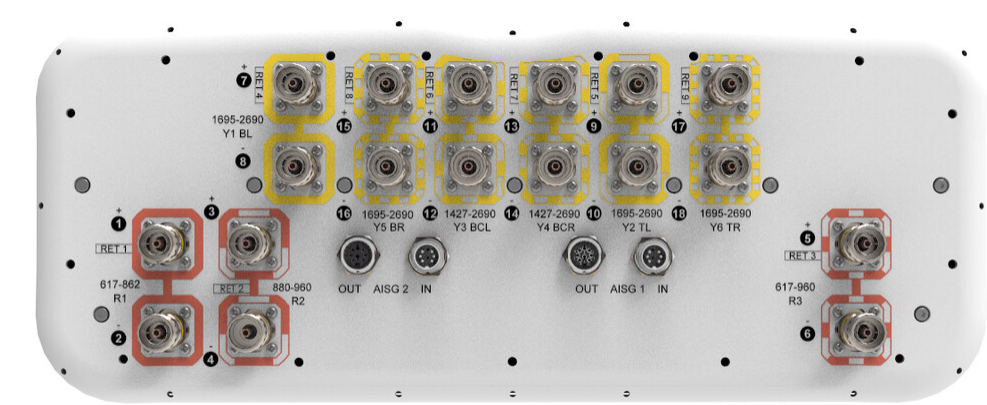
Length2688 mm | 105.827 in

Net Weight, antenna only65.2 kg | 143.741 lb

Array Layout



Port Configuration



Electrical Specifications

Impedance50 ohm

Operating Frequency Band1427 – 1518 MHz | 1695 – 2690 MHz | 617 – 862 MHz | 617 – 960

FGKZZV4-65D-R9

MHz | 880 – 960 MHz

Polarization	±45°
Total Input Power, maximum	1,200 W @ 50 °C

Electrical Specifications

Frequency Band, MHz	617–862	880–960	617–960	1427–1518	1695–1920	1920–2200	2300–2690
Gain, dBi	15.5	15.6	16.1	15.6	17.1	18	18.1
Beamwidth, Horizontal, degrees	65	61	64	71	62	54	59
Beamwidth, Vertical, degrees	8.5	7.1	8.1	6.9	6.6	5.8	4.9
Beam Tilt, degrees	2–12	2–12	2–12	2–12	2–12	2–12	2–12
USLS (First Lobe), dB	16	16	16	15	15	15	15
Front-to-Back Ratio at 180°, dB	31	27	29	28	34	31	32
CPR at Boresight, dB	19	21	21	15	21	20	19
Isolation, Cross Polarization, dB	26	26	25	25	25	25	25
Isolation, Inter-band, dB	26	26	25	25	25	25	25
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	1.5 14.0
PIM, 3rd Order, 2 x 20 W, dBc	-150	-150	-150	-150	-150	-150	-150
Input Power per Port at 50°C, maximum, watts	200	200	300	250	250	250	200

Mechanical Specifications

Wind Loading @ Velocity, frontal	944.0 N @ 150 km/h (212.2 lbf @ 150 km/h)
Wind Loading @ Velocity, lateral	292.0 N @ 150 km/h (65.6 lbf @ 150 km/h)
Wind Loading @ Velocity, maximum	1,130.0 N @ 150 km/h (254.0 lbf @ 150 km/h)
Wind Speed, maximum	241 km/h (150 mph)

Packaging and Weights

Width, packed	565 mm 22.244 in
Depth, packed	309 mm 12.165 in
Length, packed	2935 mm 115.551 in
Weight, gross	86.1 kg 189.818 lb

Regulatory Compliance/Certifications

FGKZZV4-65D-R9

Agency	Classification
CHINA-ROHS	Above maximum concentration value
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system
ROHS	Compliant/Exempted
UK-ROHS	Compliant/Exempted



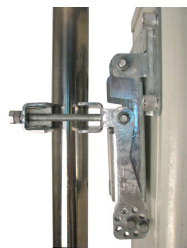
Included Products

BSAMNT-4	–	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.
BSAMNT-M4	–	Middle Downtilt Mounting Kit for Long Antennas for 2.4 - 4.5 in (60 - 115 mm) OD round members. Kit contains one scissor bracket set.

* Footnotes

Performance Note	Severe environmental conditions may degrade optimum performance
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BSAMNT-4



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 6.5 kg | 14.33 lb

Material Specifications

Material Type Galvanized steel

Packaging and Weights

Included Brackets | Hardware

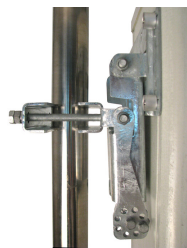
Packaging quantity 1

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



BSAMNT-M4



Middle Downtilt Mounting Kit for Long Antennas for 2.4 - 4.5 in (60 - 115 mm) OD round members. Kit contains one scissor 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 4.6 kg | 10.141 lb

Material Specifications

Material Type Galvanized steel

Packaging and Weights

Included Brackets | Hardware

Packaging quantity 1

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

