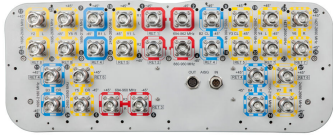


EGRZZH4T4VV65DR8V2

30-port sector antenna, 2x 694-862 (R1), 2x 880-960 (R2), 2x 694-960 (R3), 4x 1427-2690 (Y4/Y6), 8x 1695-2180 (B1-B4), 8x 2490-2690 (Y1/Y3/Y5/Y7) & 4x 1695-2690 (Y2&Y8) MHz, 65° HPBW, 8x RET.



- All Internal RET actuators are connected in “Cascaded SRET” configuration

General Specifications

| | |
|-----------------------------------------|----------------------------------------------------------------------------------------------------------------------|
| Antenna Type | Sector |
| Band | Multiband |
| 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 |
| Reflector Material | Aluminum |
| RF Connector Interface | 4.3-10 Female |
| RF Connector Location | Bottom |
| RF Connector Quantity, high band | 24 |
| RF Connector Quantity, mid band | 0 |
| RF Connector Quantity, low band | 6 |
| RF Connector Quantity, total | 30 |

Remote Electrical Tilt (RET) Information

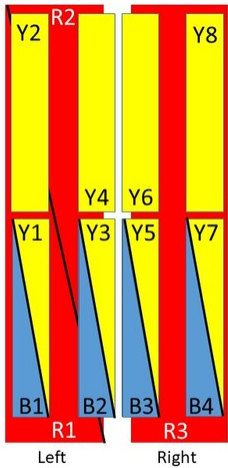
| | |
|------------------------------------------------------|-----------------------------------|
| RET Hardware | CommRET v1 CommRET v2 |
| RET Interface | 8-pin DIN Female 8-pin DIN Male |
| RET Interface, quantity | 1 female 1 male |
| Input Voltage | 10–30 Vdc |
| Internal RET | High band (5) Low band (3) |
| Power Consumption, idle state, maximum | 2 W |
| Power Consumption, normal conditions, maximum | 9 W |
| Protocol | 3GPP/AISG 2.0 (Single RET) |

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Dimensions

| | |
|-----------------------------------------|----------------------|
| Width | 498 mm 19.606 in |
| Depth | 197 mm 7.756 in |
| Length | 2688 mm 105.827 in |
| Net Weight, without mounting kit | 69.6 kg 153.442 lb |

Array Layout

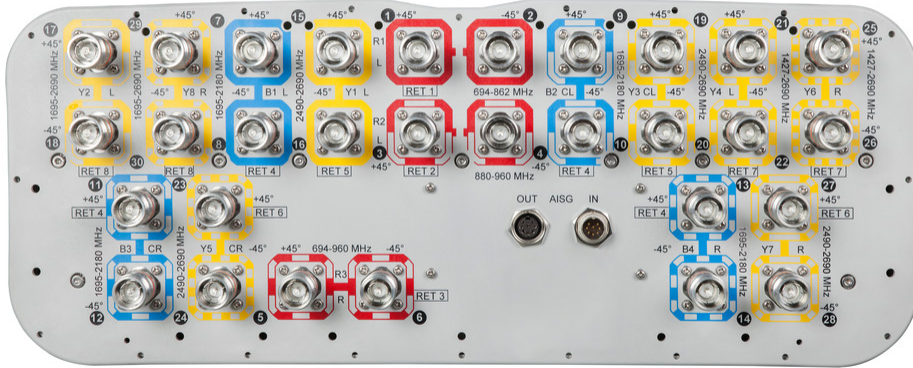


(Sizes of colored boxes are not true depictions of array sizes)

| Array | Freq (MHz) | Conns | RET (SRET) | AISG RET UID |
|-------|------------|-------|------------|----------------------|
| R1 | 694-862 | 1-2 | 1 | CPxxxxxxxxxxxxxxxxR1 |
| R2 | 880-960 | 3-4 | 2 | CPxxxxxxxxxxxxxxxxR2 |
| R3 | 694-960 | 5-6 | 3 | CPxxxxxxxxxxxxxxxxR3 |
| B1 | 1695-2180 | 7-8 | 4 | CPxxxxxxxxxxxxxxxxB1 |
| B2 | 1695-2180 | 9-10 | | |
| B3 | 1695-2180 | 11-12 | | |
| B4 | 1695-2180 | 13-14 | | |
| Y1 | 2490-2690 | 15-16 | 5 | CPxxxxxxxxxxxxxxxxY1 |
| Y3 | 2490-2690 | 19-20 | | |
| Y5 | 2490-2690 | 23-24 | 6 | CPxxxxxxxxxxxxxxxxY5 |
| Y7 | 2490-2690 | 27-28 | | |
| Y4 | 1427-2690 | 21-22 | 7 | CPxxxxxxxxxxxxxxxxY4 |
| Y6 | 1427-2690 | 25-26 | | |
| Y2 | 1695-2690 | 17-18 | 8 | CPxxxxxxxxxxxxxxxxY2 |
| Y8 | 1695-2690 | 29-30 | | |

Port Configuration

EGRZZH4T4VV65DR8V2



Electrical Specifications

| | |
|-----------------------------------|-----------------------------------------------------------------------------------------------------------------------|
| Impedance | 50 ohm |
| Operating Frequency Band | 1427 – 2690 MHz 1695 – 2180 MHz 1695 – 2690 MHz 2490 – 2690 MHz 694 – 862 MHz 694 – 960 MHz 880 – 960 MHz |
| Polarization | ±45° |
| Total Input Power, maximum | 900 W @ 50 °C |

Electrical Specifications

| | R1 | R2 | R3 | B1-B4 | B1-B4 | Y1/Y3/Y5/Y7 | Y2/Y4/Y6/Y8 | Y2/Y4/Y6/Y8 | Y4/Y6 |
|------------------------------------------|----------------|----------------|----------------|------------------|------------------|------------------|------------------|------------------|------------------|
| Frequency Band, MHz | 694–862 | 880–960 | 694–960 | 1695–1880 | 1920–2180 | 2490–2690 | 1695–2180 | 2490–2690 | 1427–1518 |
| Gain, dBi | 15.2 | 15.4 | 16.1 | 16.2 | 17.1 | 17.8 | 16.9 | 17.6 | 14.8 |
| Beamwidth, Horizontal, degrees | 68 | 65 | 67 | 69 | 62 | 57 | 62 | 55 | 71 |
| Beamwidth, Vertical, degrees | 8.6 | 7.4 | 8.1 | 7.4 | 6.6 | 5.4 | 7.1 | 5.4 | 9.3 |
| Beam Tilt, degrees | 2–14 | 2–14 | 2–14 | 2–12 | 2–12 | 2–12 | 2–12 | 2–12 | 2–12 |
| USLS (First Lobe), dB | 17 | 20 | 19 | 16 | 19 | 17 | 17 | 22 | 18 |
| Front-to-Back Ratio at 180°, dB | 32 | 26 | 29 | 32 | 30 | 28 | 34 | 31 | 35 |
| Isolation, Cross Polarization, dB | 28 | 28 | 28 | 25 | 25 | 25 | 25 | 25 | 25 |

EGRZZH4T4VV65DR8V2

| | | | | | | | | | |
|-----------------------------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Isolation, Inter-band, dB | 28 | 28 | 28 | 25 | 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 | 1.5 14.0 | 1.5 14.0 |
| PIM, 3rd Order, 2 x 20 W, dBc | -150 | -150 | -150 | -150 | -150 | -150 | -150 | -150 | -150 |
| Input Power per Port at 50°C, maximum, watts | 200 | 200 | 200 | 200 | 200 | 150 | 200 | 200 | 200 |

Mechanical Specifications

| | |
|-----------------------------------------|---------------------------------------------|
| Mechanical Tilt Range | 0°–12° |
| Wind Loading @ Velocity, frontal | 1,070.0 N @ 150 km/h (240.5 lbf @ 150 km/h) |
| Wind Loading @ Velocity, lateral | 375.0 N @ 150 km/h (84.3 lbf @ 150 km/h) |
| Wind Loading @ Velocity, maximum | 1,385.0 N @ 150 km/h (311.4 lbf @ 150 km/h) |
| Wind Loading @ Velocity, rear | 880.0 N @ 150 km/h (197.8 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 | 90.6 kg 199.739 lb |

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 |



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. |

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* Footnotes

Performance Note

Severe environmental conditions may degrade optimum performance