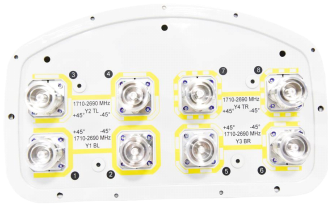


V4-65D-M



8-port sector antenna, 8x 1710–2690 MHz, 65° HPBW, manual tilt.

- Employs state-of-the-art ultra wideband technology providing excellent RF performance in all bands
- Excellent RF pattern control over the full operating band and tilt range for desired coverage and interference containment

Electrical Specifications

Frequency Band, MHz	1710–1880	1920–2200	2300–2500	2500–2690
Gain, dBi	17.0	17.8	18.3	18.9
Beamwidth, Horizontal, degrees	70	67	60	54
Beamwidth, Vertical, degrees	6.9	6.3	5.5	5.2
Beam Tilt, degrees	0–10	0–10	0–10	0–10
USLS (First Lobe), dB	16	17	20	20
Front-to-Back Ratio at 180°, dB	35	37	40	39
Isolation, Cross Polarization, dB	28	28	28	28
Isolation, Inter-band, dB	28	28	28	28
VSWR Return Loss, dB	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
Input Power per Port at 50°C, maximum, watts	200	200	200	200
Polarization	±45°	±45°	±45°	±45°
Impedance	50 ohm	50 ohm	50 ohm	50 ohm

Electrical Specifications, BASTA*

Frequency Band, MHz	1710–1880	1920–2200	2300–2500	2500–2690
Gain by all Beam Tilts, average, dBi	16.8	17.4	18.1	18.5
Gain by all Beam Tilts Tolerance, dB	±0.3	±0.5	±0.4	±0.6
Gain by Beam Tilt, average, dBi	0 ° 16.6 5 ° 16.6 10 ° 16.8	0 ° 17.3 5 ° 17.5 10 ° 17.3	0 ° 17.8 5 ° 18.1 10 ° 18.1	0 ° 18.4 5 ° 18.7 10 ° 18.2
Beamwidth, Horizontal Tolerance, degrees	±2.7	±3	±4.1	±2.8
Beamwidth, Vertical Tolerance, degrees	±0.5	±0.6	±0.4	±0.4
USLS, beampeak to 20° above beampeak, dB	15	15	18	18
Front-to-Back Total Power at 180° ± 30°, dB	25	27	28	27
CPR at Boresight, dB	15	16	16	15
CPR at Sector, dB	12	12	6	5

* 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

V4-65D-M

Operating Frequency Band	1710 – 2690 MHz
Antenna Type	Sector
Band	Single band
Performance Note	Outdoor usage
Total Input Power, maximum	800 W @ 50 °C

Mechanical Specifications

RF Connector Quantity, total	8
RF Connector Quantity, high band	8
RF Connector Interface	7-16 DIN Female
Color	Light gray
Grounding Type	RF connector inner conductor and body grounded to reflector and mounting bracket
Radiator Material	Low loss circuit board
Radome Material	Fiberglass, UV resistant
Reflector Material	Aluminum
RF Connector Location	Bottom
Wind Loading, frontal	433.0 N @ 150 km/h 98.7 lbf @ 150 km/h
Wind Loading, lateral	367.0 N @ 150 km/h 82.5 lbf @ 150 km/h
Wind Loading, maximum	834.0 N @ 150 km/h 187.5 lbf @ 150 km/h
Wind Speed, maximum	241 km/h 150 mph

Dimensions

Length	2645.0 mm 104.1 in
Width	301.0 mm 11.9 in
Depth	180.0 mm 7.1 in
Net Weight, without mounting kit	28.0 kg 61.7 lb

Packed Dimensions

Length	2894.0 mm 113.9 in
Width	409.0 mm 16.1 in
Depth	309.0 mm 12.2 in
Shipping Weight	46.5 kg 102.5 lb

Regulatory Compliance/Certifications

Agency	Classification
RoHS 2011/65/EU	Compliant by Exemption
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system
China RoHS SJ/T 11364-2014	Above Maximum Concentration Value (MCV)



Included Products

BSAMNT-3 — 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-M — 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