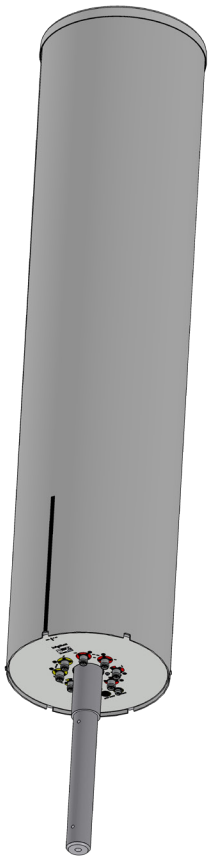
M0RQMU01

8-Port, 360°, Canister Antenna

Kaelus Next Generation Base Station Antennas

- Ultra compact design with excellent pattern performance
- Covers all 3G, 4G LTE and 5G frequencies
- Electrical specifications as per NGMN P-Basta version 12.0

GENERAL (BASTA)	LB R1/R2	MB Y1/Y2
Frequency Range	617-894	1695-2690
Gain Over All Tilts [dBi]	9.2	11.9
Polarization	X	X
Azimuth Beamwidth [°]	Quasi-omni	Quasi-omni
Electrical Downtilt [°]	4	2-12
Number of Ports	4	4



Specifications Antenna

MECHANICAL SPECIFICATIONS ANTENNA	
Antenna Dimensions: Length, Diameter [in|mm]	71 x 15.7 |1800 x 400
Net Weight (Antenna) [lb|kg]	59 | 27
Connector Type	4.3-10
Connector Quantity	8
Connector Position	Bottom
Windload, Calculation [mph|km/h]	93.2 | 150
Windload, Maximum [lbf|N]	86 | 381
Survival Wind Speed [mph|km/h]	150 | 240
Mounting*	Pipe mounting
Radome Material	ASA
Radome Color [RAL]	7035
Product Environmental Compliance	RoHS
Lightning Protection	Yes - DC Ground

** For mast installations, it is strongly recommended to use a top mounting support in addition to the primary mounting bracket. This minimizes antenna movement caused by wind and helps prevent mechanical fatigue or damage over time if the primary mounting bracket is not fully fixated.*

REMOTE ELECTRICAL TILT (RET) INFORMATION	
Type	Integrated, Non-Removable
Power Input	10 - 30V DC
Protocol	3GPP/AISG2.0
RET Interface	8-Pin DIN
RET Interface (Quantity)	2 (1 Male + 1 Female)

ENVIRONMENTAL COMPLIANCE	
ETSI EN300019-1-1 for Storage	Class 1.2
ETSI EN300019-1-2 for Transportation	Class 2.3
ETSI EN300019-1-4 for Environmental Conditions	Class 4.1E
Cold Temperature Survival [°F |°C]	-40 | -40
Hot Temperature Survival [°F |°C]	140 | 60

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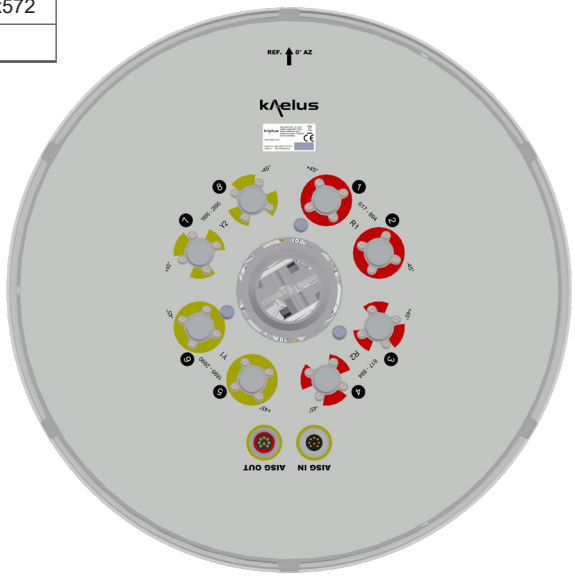
ELECTRICAL SPECIFICATIONS ANTENNA (BASTA)	LB R1/R2			MB Y1/Y2				
Frequency Range [MHz]	617-698	699-746	824-894	1695-1880	1900-2025	2095-2200	2300-2500	2500-2690
Gain, Average [dBi]	8.5	9.2	9.5	11.2	11.6	11.9	12.8	12.9
Half Power Beamwidth [°] (Horizontal)	Quasi-omni			Quasi-omni				
Half Power Beamwidth [°] (Vertical)	15.0±1	13.7±1	11.5±1	8.9±1	7.9±1	7.5±1	6.8±1	6.1±1
Electrical Downtilt [°]	4			2-12				
Elevation Downtilt Deviation [°]	±0.5	±0.5	±0.5	±0.5	±0.5	±0.5	±0.5	±0.5
First Upper Side Lobe Suppression [dB]	12	12	12	15	15	15	15	15
Upper Side Lobe Suppression [dB]	10	8	6	13	13	13	13	13
Polarization [°]	±45			±45				
Impedance [Ω]	50			50				
VSWR*	< 1.3:1 typical			< 1.3:1 typical				
Return Loss [dB]*	> 18.0 typical			> 18.0 typical				
Cross Polar Isolation [dB]*	25 typical			25 typical				
Passive Intermodulation (PIM) 3rd order, 2x20W [dBc]	< -153			< -153				
Maximum Effective Power Per Port [W]	150			150				
** Values not according to NGMN-P-Basta version 12.0*								

SHIPPING AND ORDER INFORMATION	
Product Number	M0RQMU01-V1-P2
Packing Size: Length, Width, Depth [in|mm]	96.5x23.4x22.5 | 2451x594x572
Shipping Weight [lb|kg]	81.4 | 37



Network planning files and datasheet in NGMN XML formats are available on request by email.

Kaelus follows the definitions and recommendations per NGMN P-Basta version 12.0 (www.ngmn.org) within parameters shown on this datasheet.

All specifications are subject to change without notice. Visit www.kaelus.com for the most current data sheets.

Revised: 20 May 2026