Multi-Band Antenna (8 port)

8ft / 65°

Electrical Specification

Product Number		EDACLQ-654L4H8-N					
Frequency Range (MHz)		R1, R2			B1, B2		
		617 ~ 698	698 ~ 824	824 ~ 894	1695 ~ 1880	1850~ 1990	1920 ~ 2180
3 dB Beam-Width	Horizontal	65°	64°	65°	67°	64°	61°
	Vertical	10.1°	9.6°	9°	5.8°	5.6°	5.4°
Gain (dBi)		15.2	15.6	16.2	17.5	17.9	18
Electrical Down Tilt Range		2° ~ 12°					
1st Upper Side Lobe Suppression		> 16 dB					
Front-to-Back Ratio		> 21 dB	> 23 dB	> 24 dB	> 25 dB		
Polarization Type		± 45°					
Cross-Polar Discrimination (XPD)	Boresight	> 15 dB					
	± 60°	> 7 dB					
Input Maximum CW Power (W)		250			200		
Impedance (Ω)		50					
VSWR		≤ 1.5 : 1					
Isolation Port		≥ 25 dB					
Inter band Isolation		≥ 25 dB			≥ 30 dB		
Passive Intermodulation, IM3 (@2 x 43 dBm)		≤ - 107 dBm					

Mechanical Specification

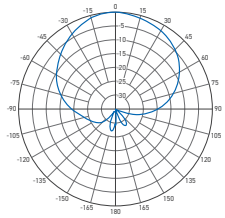
Dimension (W x D x L)	533 x 160 x 2438 mm (21 x 6.3 x 96 inch)
Antenna Weight	36.5 kg (80.5 lbs) / Without Clamp
Adjustable Clamp Weight	6.4 kg (14.1 lbs)
Fixed Clamp Weight	2.2 kg (4.9 lbs)
Max. Wind Speed	67 m/s (0 mph)
Wind Load (@100 mph), Front / Side / Rear	1718 N / 0 N / 0 N (0 lbf / 0 lbf / 0 lbf)
Connector (Type / Position)	8 x 4.3-10 (Female) / Bottom
Operating Temperature	-40℃ ~ +70℃

Front / Side / Back View

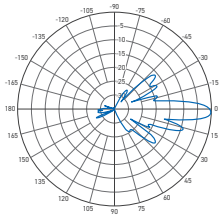


Pattern

698 ~ 894 MHz

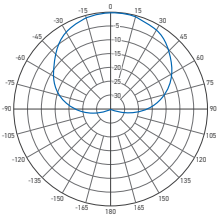


Horizontal

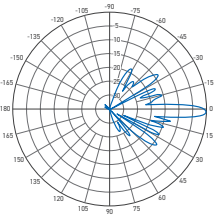


Vertical

1695 ~ 2400 MHz

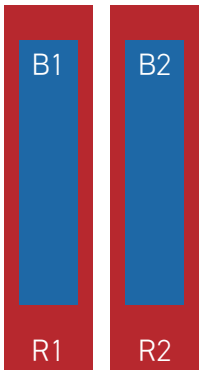


Horizontal

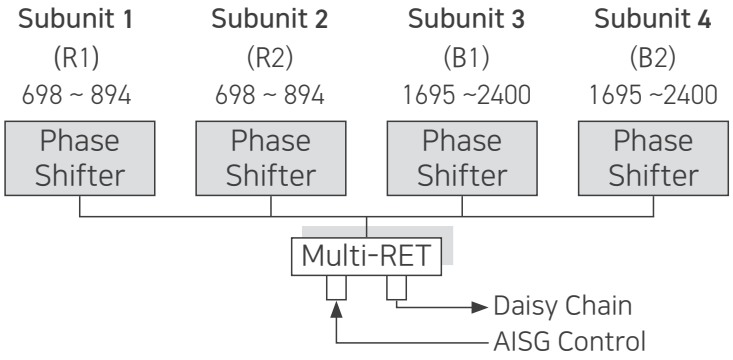


Vertical

Block Diagram



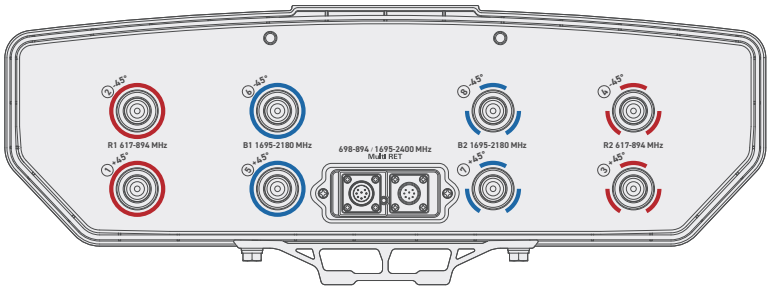
Antenna Bottom



Correlation Table

Frequency Range	Array	Connector
698 ~ 894 MHz	R1	4.3 ~ 10 Female
698 ~ 894 MHz	R2	4.3 ~ 10 Female
1695 ~ 2400 MHz	Y1	4.3 ~ 10 Female
1695 ~ 2400 MHz	Y2	4.3 ~ 10 Female

Bottom View



Note

- Gain can vary and the values stated are typical.
- Environmental Compliance: IP65 for Radome & IP67 for Connectors.
- RET Motor Configuration : Field Replaceable RET Electronic Control Module.
  : RET Motor is internal to antenna & not field replaceable.
- Compliant with AISG : AISG 2.0.
- Accessory : Standard Mounting Kit is included.
  (Mechanical Down Tilt, KCLDM1A47000 is sold separately)