

DUALBAND 1x 698-960 MHz, 1x 1710-2690 MHz

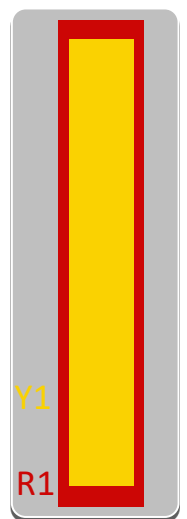
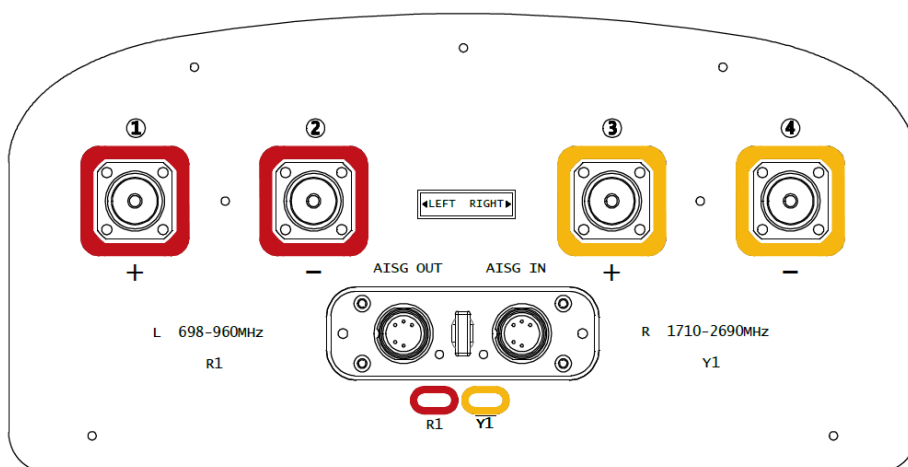
- Panel Antenna
- External RET

RF Electrical specifications*

Frequency Range (MHz)		698-862	880-960	1710-1920	1920-2180	2500-2690
Cluster Name		R1		Y1		
Gain (dBi)	Over all Tilts:					
	Average	14,8	15,3	16,4	16,6	16,3
	Tolerance	0,4	0,4	0,7	0,6	0,7
Azimuth Beamwidth (deg)	Average	68	63	62	60	65
	Tolerance	3	2	4	3	4
Elevation Beamwidth (deg)	Average	11,7	10	7,2	6,6	6
	Tolerance	1,3	0,5	0,5	0,5	0,5
Cross Polar Discrimination at Boresight (dB)		>16		>16	>16	>15
First Upper Sidelobe level		>16		>16		
Front to Back Ratio total power $\pm 30^\circ$ (dB)		>25		>25		
Interband isolation (dB)		>28		>28		
Polarization (deg)		± 45		± 45		
Electrical Downtilt (deg)		0–10		2–12		
Impedance (Ω)		50		50		
VSWR		< 1.5:1		< 1.5:1		
PIM, 2x43dBm (dBc)		< -150		< -150		
Max. Effective Power per Port (W)		500		250		

* All specifications are subject to change without notice. Refer to TELNET for the most current information.

* All specifications are based on NGMN recommendations on Base Station Antenna Standards (BASTA).



Mechanical specifications

Antenna Dimensions: Height/Width/Depth (mm)	1995 x 300 x 146
Packing Size: Height/Width/Depth (mm)	2225 x 395 x 260
Net Weight (kg)	19
Shipping Weight (kg)	27,5
Connector Quantity	4
Connector Type	4.3-10 female connectors
Connector Position	Bottom
Survival wind speed (km/h)	200
Azimuth (Full antenna / Per Sector)	N/A
Radome Material	Fiber glass
Radome Colour	White
Lightning Protection	DC grounded

TELNET RET

RET Type	Internal
Actuator standalone size: Height / Width / Depth (mm)	Inside the antenna
Actuator installed size: Height / Width / Depth (mm)	Inside the antenna
Power consumption (W)	1–10
Loss of position on power failure	False
Compatible standards	3GPP/AISG 2.0
Replaceability in field	Yes, without removing antenna.
Visual indicator available on tilt change	True
Daisy chain available	True

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