

TRIBAND 1x 698-960 MHz, 2x 1710-2690 MHz

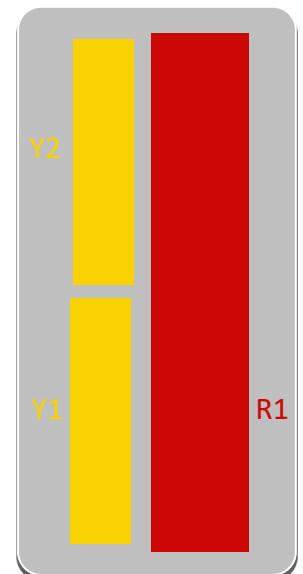
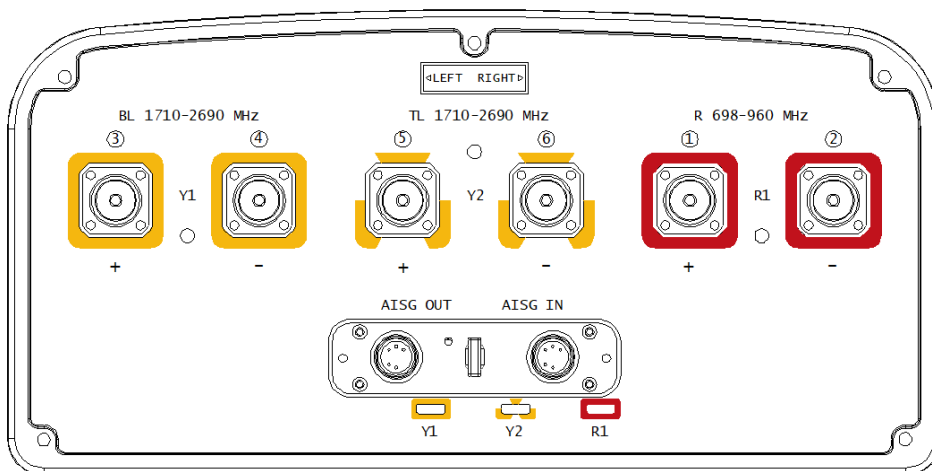
- Panel Antenna
- Internal RET

RF Electrical specifications*

Frequency Range (MHz)		698-862	880-960	1710-1920			1920-2180	2500-2690	
Cluster Name		R1		Y1			Y2		
Gain (dBi)	Over all Tilts:								
	Average	15,9	16,2	16,4	17,2	17,4	16,0	16,7	16,6
	Tolerance	0,5	0,4	0,6	0,7	0,5	0,7	0,7	0,5
Azimuth Beamwidth (deg)	Average	67	62	65	62	64	65	62	64
	Tolerance	3	4	4	4	4	4	4	4
	Average	8,7	8	7,9	6,8	5,6	7,9	6,8	5,6
Elevation Beamwidth (deg)	Tolerance	0,8	0,5	0,6	0,7	0,6	0,6	0,7	0,6
	First Upper Sidelobe level	>17		>15			>15		
Cross Polar Discrimination at Boresight (dB)		>22		>19			>19		
Cross Polar Discrimination at Over Sector (dB)		>6		>5			>5		
Front to Back Ratio total power ±30° (dB)		>23		>23			>23		
Interband isolation (dB)		>28		>28			>28		
Polarization (deg)		±45		±45			±45		
Electrical Downtilt (deg)		0–10		2–12			2–12		
Impedance (Ω)		50		50			50		
VSWR		< 1.5:1		< 1.5:1			< 1.5:1		
PIM, 2x43dBm (dBc)		< -150		< -150			< -150		
Max. Effective Power per Port (W)		500		250			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)	2686 x 350 x 170
Packing Size: Height/Width/Depth (mm)	2940 x 480 x 285
Net Weight (kg)	29
Shipping Weight (kg)	37
Connector Quantity	6
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

Contact Information**TELNET Redes Inteligentes
Headquarters**

Polígono Industrial Centrovía
 c/ Buenos Aires, 18
 50198 La Muela, Zaragoza
 España
 Teléfono: (+34) 976 14 18 00
 Fax: (+34) 976 14 18 10
telnet@telnet-ri.es

Commercial office in Madrid

Avda. Menéndez Pelayo, 85 - 1º A
 28007 Madrid
 España
 Teléfono: (+34) 91 434 39 92
 Fax: (+34) 91 434 40 84

Subsidiary in Portugal

NETIBERTEL
 Av. Fontes Pereira de Melo, 35 – 14ºD
 1050-118 Lisboa
 Portugal
comercial.pt@telnet-ri.es

www.telnet-ri.es