

TRIBAND 3x 1710-2690 MHz

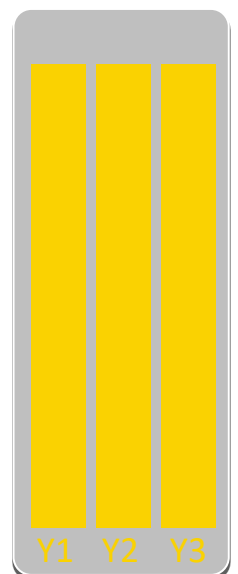
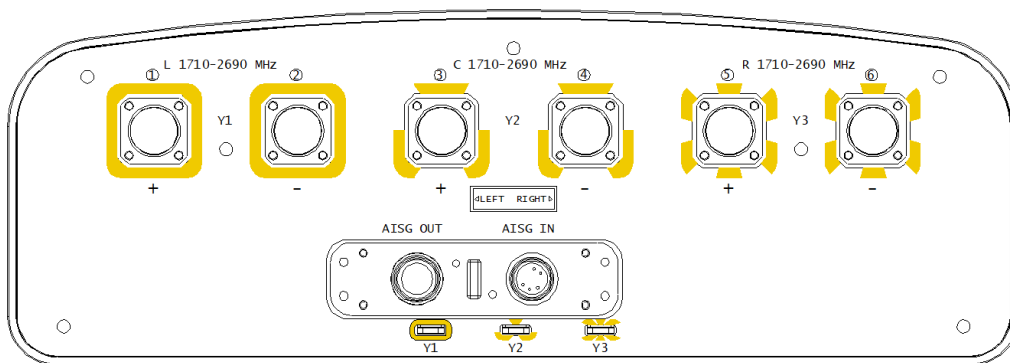
- Panel Antenna
- Internal RET

RF Electrical specifications*

Frequency Range (MHz)		1710-1880	1920-2170	2500-2690
Cluster Name		Y1 // Y2 // Y3		
Gain (dBi)	Over all Tilts:			
	Average	16,2	16,5	17,2
	Tolerance	0,7	0,9	0,8
Azimuth Beamwidth (deg)	Average	64,3	66,8	59,3
	Tolerance	9,3	7,2	3,9
Elevation Beamwidth (deg)	Average	6,5	6,0	5,1
	Tolerance	0,5	0,5	0,3
Cross Polar Discrimination at Boresight (dB)		>22	>22	>20
Cross Polar Discrimination Over Sector (dB)		>10	>10	>6
First Upper Sidelobe level			>16	
Front to Back Ratio total power $\pm 30^\circ$ (dB)			>25	
Interband isolation (dB)			>28	
Polarization (deg)			± 45	
Electrical Downtilt (deg)			2–12	
Impedance (Ω)			50	
VSWR			< 1.5:1	
PIM, 2x43dB (dB)			< -150	
Max. Effective Power per Port (W)			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)	1490 x 380 x 130
Packing Size: Height/Width/Depth (mm)	1743 x 492 x 285
Net Weight (kg)	18
Shipping Weight (kg)	27
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**

Poligono 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