

## MONOBAND 1x 698-960 MHz

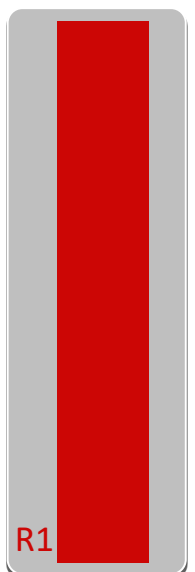
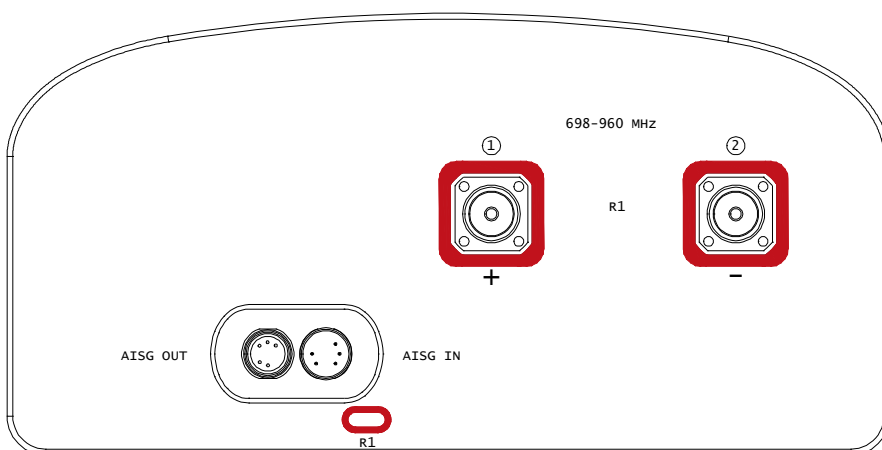
- Panel Antenna
- External RET

### RF Electrical specifications\*

Frequency Range (MHz)		698-862	880-960
Cluster Name		R1	
Gain (dBi)	Over all Tilts:		
	Average	15,7	16,4
	Tolerance	0,6	0,6
Azimuth Beamwidth (deg)	Average	67,5	61
	Tolerance	4	2
Elevation Beamwidth (deg)	Average	8,8	7,6
	Tolerance	0,8	0,4
First Upper Sidelobe level		>16	
Upper Sidelobe Level peak to 20° above (dB)		>16	
Cross Polar Discrimination at Boresight (dB)		>18	
Cross Polar Discrimination Over Sector (dB)		>17	
Front to Back Ratio total power ±30° (dB)		>24	
Cross Polar isolation (dB)		>28	
Polarization (deg)		±45	
Electrical Downtilt (deg)		0–10	
Impedance (Ω)		50	
VSWR		< 1.5:1	
PIM, 2x43dBm (dBc)		< -153	
Max. Effective Power per Port (W)		500	

\* 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)	2500 x 300 x 146
Packing Size: Height/Width/Depth (mm)	2805 x 430 x 266
Net Weight (kg)	20
Shipping Weight (kg)	29
Connector Quantity	2
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](mailto: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](mailto:comercial.pt@telnet-ri.es)

[www.telnet-ri.es](http://www.telnet-ri.es)