



Repeater Solutions

GNSS L1/L2 Active Antenna



Benefits

- **Ideal for accurate mission-critical GPS positioning**
- **Omni-directional**
- **Built-in High Gain of 36dB with very low noise**
- **Low loss front filter for added immunity**
- **Wide operating voltage**
- **Easy to install with the supplied mounting bracket**
- **Outdoor-rated IP67**

Product Description

Global Foxcom's FOXANT-R-R-121-161-TF-4-01 is an active receive, Omni-directional antenna optimized to support GPS L1/L2, GLONASS G1/G2, BeiDou B1 and Galileo E1.

The antenna's 36dB high gain and embedded front-end filter makes it ideal for critical installation on locations with potential radio interference. The antenna is equipped with a TNC-F RF connector and is supplied with a pole mounting bracket.

Global Foxcom, as a leader in Satellite repeaters, offers a full satellite repeater solution for Iridium/Inmarsat/GPS and other communication bands used in hangars and large manufacturing spaces. Global Foxcom's repeaters are available with either coax or fiber-based technology. For more information, contact Global Foxcom sales: sales@foxcom.com.

Specifications

Antenna Specifications	
RF Spec	
3dB Frequency Bandwidth	1.2–1.65GHz
Transmit Pattern	Omni-directional
Polarization	RHCP
Antenna Gain	>3dB at Zenith
LNA Gain	36dB
3dB Beam Width Azimuth	60°
Gain Variation over Temperature	
3dB Beam Width Elevation	±2dB
Antenna VSWR (LNA output)	1.8:1 Max
Supply voltage range	2.5 to 16VDC
Physical Specifications	
RF Connector	TNC Female
Dimensions	80 x 80 mm (H x D)
Weight	400gr
Environmental rating	IP67
Operating Temperature	-40 to +85°C
Weight	185gr

Ordering Information

Product Part Number	Description
FOXANT-R-R-121-161-TF-4-01	Active Receive GPS/Galileo/Glonass Antenna