



GPS / GNSS Solutions

GPS/GNSS Repeater



Features

- GPS / GNSS support (GPS Glonass & Galileo)
- High efficiency directional indoor retransmitting antenna

Applications

- Aircraft hangars
- Border surveillance
- Fire/Police stations
- Tunnels
- Data centers
- Fleet management
- Military bunkers

Product Description

Foxcom's GNSS repeater solution is the ideal solution for re-transmitting GNSS signals indoors.

The repeater system provides seamless coverage inside a hangar or a large facility enabling the testing of aircraft navigational systems.

The repeater is available with different kit configurations, including indoor / outdoor antenna and cabling.

The Foxcom system, which uses top RF-Noise performance and a unique indoor directional RHCP antenna, consumes less power and delivers less distortion, thus providing better coverage than competitive systems.

The system supports single or dual transmission zones enabling indoor coverage of up to 1500m².

System Specifications

| GNSS Repeater System | |
|--|---|
| RF Spec | |
| System frequency range | 1164–1610MHz |
| GPS support | L1/L2 |
| Glonass support | L1/L2 |
| Galileo support | E1/E5/E6 |
| Gain | 48dB (Variable) |
| Number of supported indoor antenna | 1 or 2 |
| Noise figure (RSU to ASU) | <2dB |
| Antenna Supplied | |
| Outdoor antenna type | Filtered, High Gain, Low NF, Support for Upper/Lower L-Band |
| Indoor antenna type | Passive RHCP Standard or Directional |
| Outdoor recommended cable loss | <10dB |
| Indoor recommended cable loss | <5dB |
| Environmental Specifications (Outdoor Unit) | |
| Operating temperature | -32°C–49°C |
| Storage temperature | 32°C–71°C |
| Humidity | 95% @ 35°C Non-condensing |
| Physical Specifications | |
| RF connectors | SMA Female |
| Operating voltage/Current consumption | 12VDC/0.5A |
| Dimensions | 370x150x700 mm |