



ANT-SYNC

ANT-SYNC is an active GPS/GLONASS antenna designed to filter and amplify RF signals received from global navigation satellite systems (GNSS) and feed them to a GNSS receiver at **InfiLINK XG, InfiLINK XG 1000** families models. GNSS receiver recovers timing and positioning data which is used to provide timing reference for TDD synchronization* as well as to make device location information available for EMS and NMS systems via SNMP protocol. TDD synchronization allows multiple co-located **InfiLINK XG, InfiLINK XG 1000** families models to operate co-channel or use adjacent channels thus achieving frequency re-use and eliminate self interference. Because of GNSS-based timing reference, both intra- and inter-site synchronization can be supported.

Key Features

- ▶ Embedded GPS/GLONASS receiver and active antenna
- ▶ Provides GNSS-based timing reference
- ▶ Provides geo-positioning information and UTC time
- ▶ Water and dust protection in compliance with IP66 and IP67 standards

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Specifications



As an active antenna, **ANT-SYNC** protects the receiver from interference coming from co-located 3G/LTE BTSSs, which would make GNSS signals irrecoverable otherwise.

It requires VDC power for normal operation, which is fed via the RF port, so it can only be used with compatible GNSS receivers such as those built into InfiLINK XG, InfiLINK XG 1000 families models.

Mounting kit is supplied by default with **ANT-SYNC**.

Parameter	Description
Compatible models	All the models of InfiLINK XG, InfiLINK XG 1000 families
GNSS receiver	Embedded, GPS/GLONASS
GNSS antenna	Embedded, active
Frequency bands	GLONASS: 1602 MHz (L1) GPS: 1575 MHz (L1)
Water and Dust Protection	IP66 and IP67
Input voltage	+5 VDC
Interfaces and connector	N-type RF-connector (Female)
Operating temperature range	-40 ... +60°C
Size and Weight	180x170x72 mm, 0.36 kg



* TDD - Time Division Duplex



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