



AUX-ODU-SYNC

AUX-ODU-SYNC is a TDD synchronization hub, which has been designed to provide a timing reference to InfiMAN 2x2 base station sectors as well as to InfiLINK 2x2 PRO units. In combination with InfiNet's new proprietary TDMA-based wireless architecture, AUX-ODU-SYNC completes the solution, providing TDD synchronization to its systems, both legacy and newly deployed. TDD synchronization eliminates self-interference between multiple co-located units and enables frequency re-use within the same site. InfiNet's implementation supports not only intra-, but inter-site synchronization too, thanks to the fact that the timing reference is GNSS-based.

Key Features

- ▶ Compatible with InfiMAN 2x2 base station sectors and InfiLINK 2x2 PRO units *
- ▶ Embedded GPS/GLONASS receiver and active antenna
- ▶ Providing GNSS-based timing reference
- ▶ Intra- and inter-site synchronization
- ▶ Providing geo-positioning information and UTC time
- ▶ 7 synchronization ports

* See compatible models in Specifications table

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Specifications



An all-in-one design, including the GPS/GLONASS receiver, the antenna and the timing distribution scheme, housed in a low-profile enclosure, guarantees rapid and easy deployment. Specialised **CAB-SYNC** cables, providing interface conversion and lightning protection, must be used to connect **AUX-ODU-SYNC** to the units.

The additional benefits of deploying an **AUX-ODU-SYNC** unit include providing positioning as well as precise time information to all the units connected to it.

Parameter	Description
Compatible models	InfiMAN 2x2 family: Mmxb(s), Omxb(s) InfiLINK 2x2 PRO family: Mmx(s), Omx(s)
GNSS receiver	Embedded, GPS/GLONASS
GNSS antenna	Embedded, active
Water and Dust Protection	IP66 and IP67
Input voltage	$\pm 19.. \pm 56$ VDC
PoE type	Passive PoE (4, 5, 7, 8 Ethernet pins used)
Maximum power consumption	up to 4 Watt
Interfaces and connectors	Port 0-6: sync outs (6 RJ-45 connectors to connect to ODU with special cable CAB-SYNC) Power: DC input (1 RJ-45 connector to connect to power supply)
InfiNet compatible power supplies	IDU-BS-G, AUX-ODU-INJ-G, IDU-LA-G
Size and Weight	180x170x75 mm, 0.65 kg

