EC SYSTEM

EC-TDD-SYNC

EC-TDD-SYNC is a TDD synchronization hub, which has been designed to provide a timing reference to EC-Multipoint base station sectors as well as to EC-Link units. In combination with proprietary TDMA-based wireless architecture, EC-TDD-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. EC SYSTEM'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 EC-Multipoint base station sectors and EC-Link 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

Parameter	Description
Compatible models	EC-Multipoint: ECM-HxB EC-Link: ECM-Hx
GNSS receiver	Embedded, GPS/GLONASS
GNSS antenna	Embedded, active
Water and Dust Protection	IP66 and IP67
Input voltage, VDC	±19..±56
PoE type	Passive PoE (4, 5, 7, 8 Ethernet pins used)
Maximum power consumption	up to 4 W
Interfaces and connectors	Port 0-6: sync outs (7 RJ-45 connectors to connect to ODU with special cable CAB-SYNC) Power: DC input (1 RJ-45 connector to connect to power supply)
EC SYSTEM compatible power supplies	IDU-CP (is supplied by default), IDU-BS, AUX-ODU-INJ-G and IDU-LA(V.01)
Size and Weight	180x170x75 mm, 0.65 kg

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