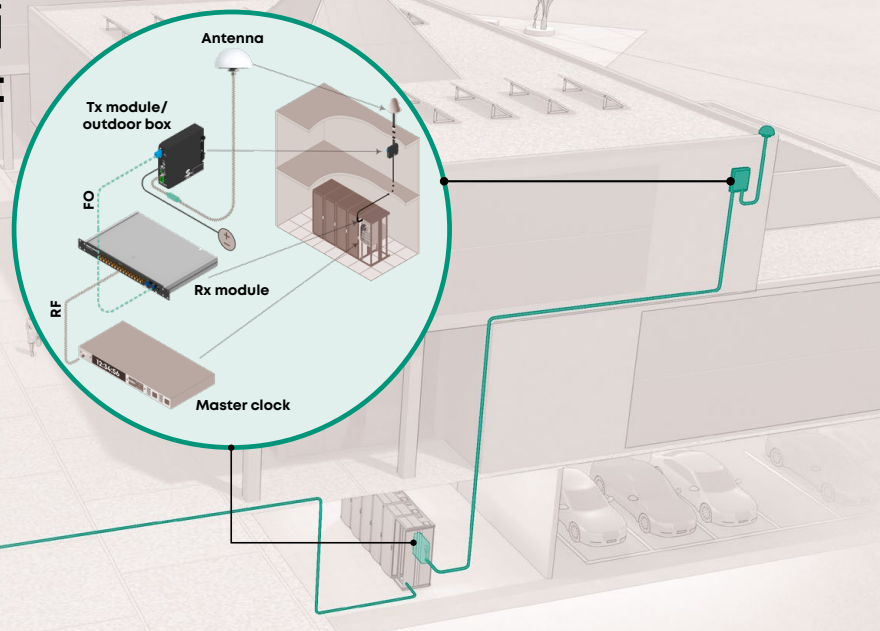


SYNCRO Mini

Precision without complexity



10.2025

As data speeds and volumes increase, **precise time synchronization** and **low jitter** are more critical than ever. GNSS (Global Navigation Satellite System) delivers timing signals based on atomic clock forming the foundation of global timekeeping.

GNSS is essential for applications such as:

- Mobile networks
- Data centers
- Broadcasting
- Distributed antenna systems
- Financial systems
- Power grids

Our compact **SYNCRO Mini solution** offers a cost-effective and scalable alternative to traditional infrastructure. It enables **secure, flexible, and accurate time distribution**, without the complexity of coaxial cabling. Stay ready for tomorrow's timing and synchronization demands – with less hardware, more performance.

Why HUBER+SUHNER?

Eliminate signal loss. Simplify cabling. Solidify your timing network.

With proven deployments in telecom, defense, and data centers, the HUBER+SUHNER SYNCRO Mini solution is a **field-tested, standards-compliant, and infrastructure-friendly** choice for timing professionals.

The solution: SYNCRO Mini

Benefits

The HUBER+SUHNER SYNCRO Mini system simplifies and solidifies GNSS distribution by converting the RF signal at Tx module (E-O), then transmitting it over fiber to the Rx module (O-E)

Key features

- Lossless GNSS transport over 100s of meters
- Support multiple GNSS constellation – GPS, Galileo
- Scalable GNSS distribution over fiber
- Fiber immunity to EMI/RFI – ideal for dense broadcast racks
- Built in lightening protection (in outdoor Tx)
- Compact, plenum + CPR cable for indoor+ Outdoor use

Antenna

GNSS Band	L1+L5
Operating Voltage	2.7 – 9.0V

Tx Module

Input	SMA
Output	LC UPC
Dimension	3.7x3.5x0.9 inch (Din Rail) 9.4x7.4x4.5 inch (Outdoor box)
Voltage range	100 – 240V AC, -48V DC
Mount	DIN rail/Pole Mount/Wall mount

Rx Module

Input	LC UPC
Output	1/8/16/32 x SMA Female
Dimension	3.7x3.5x0.9 inch (DIN rail)
Voltage	12 V DC
VSWR	< 1.8
Mounting	Din rail/Rack mount

SYNCRO Mini

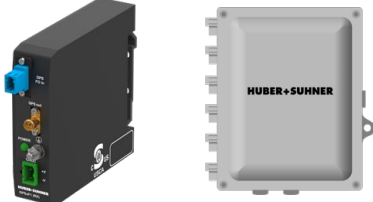
Precision without complexity

Antenna



1

Tx (E-O) module



2

3

Rx (O-E) module



4

5

6

7

Accessories



8

9

10

11

#	H+S part #	Description	Remarks
Antenna			
1	85243244	O-GNSS-L15-02	GNSS antenna, coaxial, L1 + L5, mounting brackets
Tx (E-O) MODULE			
2	85135572	D-GNSSoF1-1T-L12	Transmitter, L1, L2, DIN Rail, 1 RF IN, 1 FO OUT
3.A	85145805	GPSoF1 (TX) [LC/PC] IP66 AC	Transmitter, L1, L2, Outdoor box IP66, 1 RF IN, 1 FO OUT, AC
3.B	85145804	GPSoF1 (TX) [LC/PC] IP66 DC	Transmitter, L1, L2, Outdoor box IP66, 1 RF IN, 1 FO OUT, DC
Rx (O-E) module			
4	85135573	D-GNSSoF1-1R-L12	Expansion module, Receiver, L1, L2, DIN Rail, 1 RF OUT, 1 FO IN
5	85134405	GPSoF08 (RX)	Expansion module, Receiver, L1, 1RU, 8 RF OUT, 1 FO IN
6	85145447	GPSoF16-2 (RX)	Expansion module, Receiver, L1, 1RU, 16 RF OUT, 1 FO IN, 2 FO OUT
7	85140926	GPSoF 32	Receiver RX Extend FO Module RF-32 and 1 FO input
Accessories			
8	85128404	GPSoF Amp Expansion Module 32	Expansion module, RF splitter, L1, 2RU, 1 RF IN, 32 RF OUT
9	85154296	GPSoF - OSM (1x8)	Expansion module, FO active splitter, L1, L2, 1RU, 1 FO IN, 8 FO OUT
10	85152769	Direct GPSoF DC/DC Converter	Power supply, 18-75 VDC to 12 VDC, 2 power IN, 2 power
11	84030303	3403.17.0060	Coaxial Surge Protector Device, bypass voltage 6 V, DC current 4 A

All listed products are available in the iBwave Components Database. To locate them, select Manufacturer: HUBER+SUHNER and Category: Active DAS.

More to explore

Contact us to learn more or scan the QR code

