

SYNCRO

Fiber-enhanced GNSS connectivity

Today's connected world relies on precise time measurement. GNSS (Global Navigation Satellite System) provides atomic clock-based time signals, ensuring global synchronisation and reliable performance in systems where every microsecond counts.

Our SYNCRO product family comprises three solution variants that meet the synchronisation requirements of various applications and offer a cost-effective and scalable alternative to conventional infrastructure. It enables secure, flexible and accurate time distribution without the complexity of coaxial cabling. With simplified design and higher performance, your network is ready for tomorrow's time requirements.

For GNSS applications such as:

- Mobile network
- Broadcasting
- Distributed antenna systems
- Data centers
- AI & HPC
- Financial systems
- Power grids Test Labs

SYNCRO	SYNCRO Mini		SYNCRO Eco	SYNCRO Max
				
Description	Cost-effective GNSS connectivity for non-critical infrastructure with simplified 3-piece design.		Advance GNSS connectivity for critical infrastructure with focus on remote monitoring, redundancy and TCO.	Premium GNSS connectivity with integrated powering, redundant two-piece design, remote monitoring, highest performance.
Technology	RFoF		RFoF	RFoF + PoF (Power-over-Fiber)
Product overview	3 piece design (Antenna, Tx, Rx) Support 3rd party GNSS antenna			2-piece design (Antenna, Baseunit)
Powering	Power is required at rooftop for Tx unit.			Antenna is powered via PoF from baseunit and offer fill flexibility to mount antenna at any location irrespective of local power
Remote monitoring	No	Yes. Solution support WebGui, Restconf, SNMP, Netconf		
Redundancy	No	Yes. Solution offers power redundancy and can also provide antennas and systems		Yes. Solution offer full system and power redundancy
Scalable	Solution designed for high scalability, hence various cascading and expansion option are possible.			
Lightening protection	Required external lightening protection for Indoor Tx unit. For Outdoor Tx unit this will be integrated			Integrated 100% copper free solution

Product overview

SYNCRO Mini

Product no.	Description	Remarks
85243244	O-GNSS-L15-02	SYNCRO Mini Antenna
85271756	C-GNSSoF1-ITS-L15-AC	SYNCRO Mini Tx Outdoor AC
85271757	C-GNSSoF1-ITS-L15-DC	SYNCRO SYNCRO Mini Tx Outdoor DC
85135572	D-GNSSoF1-1T-L12	SYNCRO Mini Tx Indoor
85274235	D-GNSSoF1-1RS-L15	SYNCRO Mini Rx Indoor
85135573	D-GNSSoF1-1R-L12	SYNCRO Mini Rx 1
85140587	D-GNSSoF4-1R-L12	SYNCRO Mini Rx 4

SYNCRO Eco

Product no.	Description	Remarks
Antenna, Tx same as SYNCRO Mini		
85244049	P-GNSSoF16-7Rx-E-21	SYNCRO Eco Rx, AC
85271754	P-GNSSoF16-7Rx-E-25	SYNCRO Eco Rx, DC

SYNCRO Max

Product no.	Description	Remarks
85271622	O-GNSSPoF0-1Rx-E-L15-21	SYNCRO Max Antenna, CIRC 122m
85271623	O-GNSSPoF0-1Rx-E-L15-31	SYNCRO Max Antenna, Plenum 122 m
85272815	O-GNSSPoF0-1Rx-E-L15-23	SYNCRO Max Antenna, CIRC 30.5 m
85272833	O-GNSSPoF0-1Rx-E-L15-33	SYNCRO Max Antenna, Plenum 30.5 m
85271626	P-GNSSPoF16-7Rx-E-11	SYNCRO Max Rx AC
85271753	P-GNSSPoF16-7Rx-E-15	SYNCRO Max Rx DC

Accessories

Product no.	Description	Remarks
85271862	OVxE1170	Optical amplifier, 1550nm. 17dBm, EDF. Useful for application with multiple expansion.
85271884	FOVO16-PLC-H	Passive optical splitter. Recommended to us with optical amplifier.
85213406	19" xE SV-1HE 230/100	Power supply unit AC. (Compatible with SYNCRO Eco and SYNCRO Max base-unit)
85213407	Power supply DC	Power supply unit DC. (Compatible with SYNCRO Eco and SYNCRO Max base-unit)
85272725	Power supply 12 W	Power adaptor AC for Mini Tx and Rx.
84030303	3403.17.0060	Coaxial Surge Protector Device, bypass voltage 6 V, DC current 4 A

* For other combination and supporting cable assemblies (Coaxial and Fiber Optical) contact HUBER+SUHNER sales reps.

More to explore

Contact us to learn more
or scan the QR code

