MEINBERG

The Synchronization Experts.

microSync XS

Master Time.
Minimize Space.

Grandmasters Come in Small Packages: The microSync XS represents Meinberg's most compact GNSS-synchronized PTP solution yet.

Equipped with an integrated GPS-only, GPS/Galileo, or multi-GNSS receiver, the microSync XS is operable as a fully-featured PTP grandmaster, NTP server, and clock pulse generator. The perfect synchronization solution for when space at a premium.

Get in Touch

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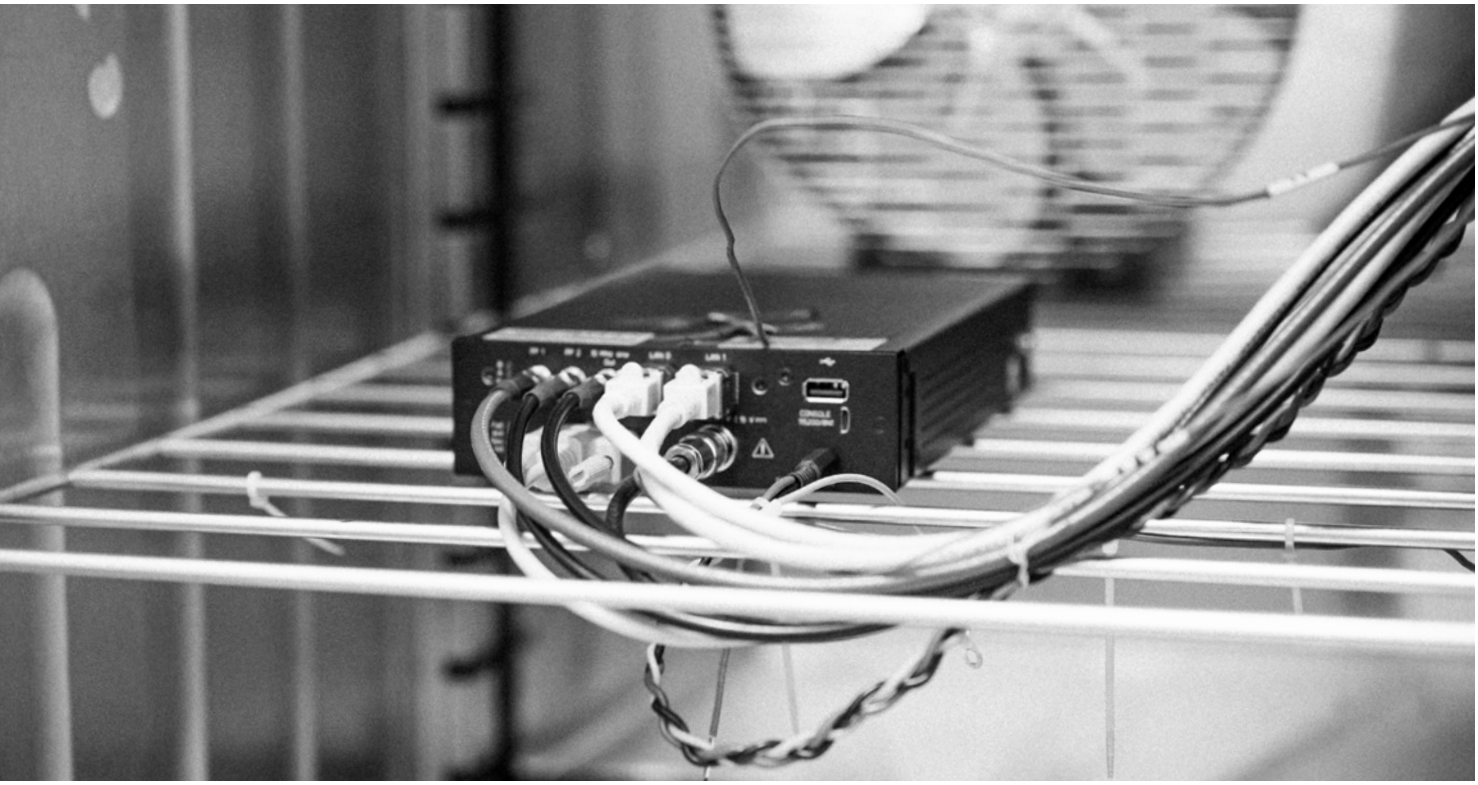


Key Features

- Powerful NTP and PTP (IEEE 1588) Time Server
- Compact Solution for Optimum Space Management
- Multiple GNSS Receiver Options Available
- Different Oscillator Options for Advanced Holdover Performance
- meinbergOS Web Interface for Configuration and Status Monitoring
- OLED Display for Easy Initial Setup and Status Readouts
- Programmable Pulse Outputs
- 48 kHz Word Clock
- Unlimited Technical Support including Firmware Updates

Software Specifications

Network Profiles	— IPv4, IPv6 — NTPv3, NTPv4 — PTPv1, PTPv2 — PRP — DHCP, DHCPv6 — DSCP — IEEE 802.1q VLAN filtering/tagging — IEEE 802.1p QOS — SNMPv1/v2/v3 — Remote Syslog Support (UDP) — LDAP, LDAPS — RADIUS — TACACS+ — HTTP, HTTPS — SSHv2
IEEE 1588 Profiles	— IEEE 1588-2002 and IEEE 1588-2008 Default Profiles (P2P and E2E) — IEEE C37.238-2011 and IEEE C37.238-2017 Power Profiles — IEC/IEEE 61850-9-3 Power Utility Profile — ITU-T G.8265.1, ITU-T G.8275.1 and ITU-T G.8275.2 Telecom Profiles — SMPTE ST 2059-2 Broadcast Profile — AES67 Media Profile — IEEE 802.1AS TSN/AVB Profile — DOCSIS 3.1 — AUTOSAR Automotive Profile

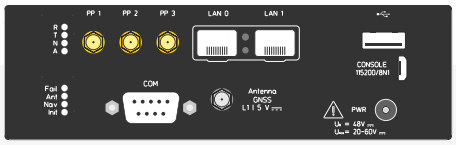
Performance Level Options

Performance Level	Unicast Clients	Delay Req/s in Multicast/Hybrid Mode
PL-A	8	1024
PL-B	256	32768
PL-C	512	65536

Technical Specifications

OLED Display	— Can be used to perform initial configuration via DHCP or manual IP configuration of address, netmask, gateway address — Provides Operating Information: Time and Date, Synchronization Source, Firmware Version, Model and Serial Number
Inputs and Outputs	— LAN Network Interfaces LAN 0, LAN 1: – Gigabit Ethernet (GbE), 10/100/1000 Mbit, RJ45 or 1000FX (SFP) – Management, NTP, PTP Master & Slave – Synchronous Ethernet – Compliant with ITU-T G.8261, G.8262 and G.8264 – Accuracy NTP: ≤100 µs, PTP: ≤20 ns — COM 0 Timestring, RS-232, 9 pin D-SUB, male — USB Terminal, USB-to-serial console, Micro-USB, Type B — USB Host, USB connector management CPU, USB, Type A — Programmable Pulse Outputs (48 kHz Word Clock, PPS, PPM, PPH, TC DCLS, PTTI 1PPS…), TTL into 50 Ω, SMA
DC Power Supply	— U_N = 48 V DC, U_{max} = 20–60 V DC, P_{typ} = 16.5 W — Connector Outer Ø 5.5 mm, Inner Ø 2.5 mm, Barrel Length 10.5 mm

Front View



Rear View

Receiver Options

Receiver Type	Signal Type	Supply Voltage	Connection Type
GNS: L1 Multi-GNSS (GPS, GLONASS, Galileo, BeiDou), 72-Channel	L1/E1/B1 band	5 V DC	SMA
GPS: Meinberg GPS, 12-Channel	IF (Meinberg Antenna)	15 V DC	BNC
GNS-UC: Meinberg Multi-GNSS (GPS, Galileo), 72-Channel	IF (Meinberg Antenna)	15 V DC	BNC

Oscillator Options

Type	Holdover Performance (1 Day)	Holdover Performance (1 Year)
OCXO SQ	±65 µs	±4.7 s
OCXO HQ	±10 µs	±788 ms

Dimensions