

VersaSync with IDM Suite

Mobile, Rugged Mission Timing & Sync Device with GPS/GNSS Interference, Detection and Mitigation Support



Orolia's VersaSync with IDM Suite is a low SWAP, high-performance Mission Timing and Synchronization device featuring a GNSS master clock and a military network time server that deliver accurate, software-configurable time and frequency signals in harsh conditions, including GPS-denied environments. Its compact size and high level of ruggedization make VersaSync ideal for mobile military applications, and its small footprint enables easy integration of the time and frequency functionality into battlefield system architecture.

Continuous Operations, Even in GPS-Denied Environments

- Accommodates a wide range of precision oscillators to maintain frequency and time accuracy during long periods of GPS/GNSS signal outage
- Built-in software package of anti-jamming and spoofing algorithms to detect anomalies in the GNSS signal, including unintentional interference and malicious attacks
- Automatically notifies, alarms and disables GNSS synchronization and switches to backup synchronization, optional mitigation measures or holdover if GNSS inference is detected
- Ready for integration into virtually any ground, air or naval application
- Offers COTS convenience and savings, customized to your specific requirements

Ordering Information

Standard Units

- 1228-1110 OCXO GNSS L1
- 1228-1410 High Perf OCXO GNSS L1
- 1228-2119 OCXO GNSS L1 IRIG-AM

Ask your Orolia Sales Representative for other configurations.

VersaSync Evaluation Kit

VersaSync EVK: Includes a carrying case, L1 GNSS antenna (8230), 5 meter GPS RF cable, AC to DC power supply and cable, Ethernet cable, and signal breakout cable. VersaSync unit sold separately.

Accessories

GPS/GNSS antenna, GNSS RF cables, lightning protection, splitters and line amplifiers.

Additional Options

- GPS L1/L2 SAASM
- CSAC oscillator

Service

- Premium Support Package (PSP)
- Yearly Warranty extension
- Long-life support package

IDM Suite

VS-OPT-BSH

Service Plan

PSP: Annual premium support includes 24x7 emergency telephone support, loaner units (dispatched by next business day), notification of software updates.