

SecureSync®

Industry-Leading Resilient Time and Frequency Synchronization Solutions



Key Features:

- GPS/GNSS timing signal reference synchronization
- BroadShield GPS signal jamming and spoofing detection
- Alternative signals such as SAASM or STL
- Multiple time/frequency signal generation
- A variety of internal oscillator options
- Secure network management and control
- Built-in high-performance NTP server; PTP options
- REST API management
- Ruggedized shock and vibration-tested chassis (1RU)
- Exceptional operating temperature range -20°C to +65°C
- Low phase noise frequency options
- DISA DoDIN Approved Products List
- Industry-leading, five-year limited warranty
- Flexible support plans

New Features Now Available:

- User configurable digital outputs
- Dual 1 Gb Ethernet ports with fiber-optic capability
- New option cards

Precise.

Orolia's SecureSync® time and frequency reference system synchronizes critical military and commercial operations where failure is not an option. Combining precision master clock technology with exceptional configurability, SecureSync delivers the industry's highest standards for extreme reliability, security, redundancy and flexibility in a modular, cost effective form factor.

SecureSync is the only time and frequency reference system listed on the Defense Information Systems Agency (DISA) Department of Defense Information Network Approved Products List.

Rugged.

With its unique rugged chassis, SecureSync reliably performs in extreme operating conditions with built-in, scalable time and frequency functions that can be further enhanced with additional input/output modules. All base unit configurations include a highly accurate, customizable timing signal aligned to a 10 MHz frequency signal without any 10 MHz phase discontinuity.

Flexible.

SecureSync offers a broad range of flexible design options, including a variety of internal oscillators for holdover and phase noise, and onboard clocks that can be synchronized to many external references. The platform can be configured for specific applications, with the ability to add more in the future. For example, add STL as an alternative signal to GPS/GNSS input-references to improve signal resilience, or use STL alone for indoor applications. Additional precise and secure input/output signals are available from the built-in, configurable breakout connector on the base unit. Choose from a variety of option cards to add to timing signal configurations, including additional 1 PPS, 10 MHz, NTP and PTP with flexible network timing expansion, time code (IRIG, ASCII, HAVE QUICK), and other frequencies (1 MHz, 5 MHz)

Secure.

As a security requirements evolve, SecureSync keeps pace with the latest security vulnerability scanning and improvement protocols. SecureSync supports network cybersecurity by ensuring accurate timing through multiple references, tamper-proof management and extensive logging. Robust network protocols provide easy, yet secure, configuration. Features can be enabled or disabled based on network policies. The 1 RU chassis supports multi-GNSS inputs, and BroadShield GPS jamming and spoofing detection can be integrated for increased signal security.

**Be Sure with SecureSync.
Accurate, Reliable Time & Frequency Synchronization Solutions from Orolia.**

Orolia is the world leader in Resilient Positioning, Navigation and Timing solutions. Time and Location You Can Trust.™