

Precision References

TIMING



SecureSync® Modular Time & Frequency Server/System

- Sync to GPS, SAASM, GLONASS
- Choice of internal oscillator
- Over 40 modules for input/output sync signals
- High-bandwidth NTP server, PTP grandmaster



Bus-Level Timing

- Variety of form factors/bus-types
- Drivers ready to integrate
- High-precision time stamping
- Synchronization to GPS, GLONASS, IRIG
- A wide variety of time and frequency signaling



Rugged Timing Modules

- Optimized SWaP
- Configure-to-COTS



Application-Specific Time Servers & Master Clocks

- Enterprise-class
- High-performance NTP and PTP
- NENA-compliant public safety master clock
- GPS clocks for digital broadcast



Time & Frequency Distribution

- Distribution amplifiers for sync signals
- Built-in failover for redundant clocks
- Coax and fiber



Geo-PNT™ Rugged PNT Module

- Master clock + inertial navigation in one box



Timing Systems

- Integration, customization, and support



Synchronization Add-ons and Accessories

- Software
- Displays
- Indoor GPS

RUGGED / MOBILE

INTEGRATED PNT

POSITIONING



Geo-iNAV™ Rugged GPS+IMU

- Fully integrated GPS-aided inertial navigation system
- Accurate positioning and attitude
- Commercial and military applications

Simulation

GPS/GNSS SIMULATORS



Single Channel Signal Generator

- Upgradeable and affordable for simple testing



Multi-Channel Advanced GNSS Simulator

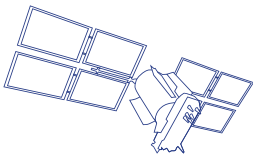
- Full navigation testing
- Multi-constellation L1, E1, B1



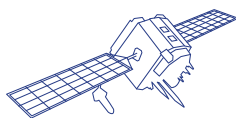
Multi-Frequency Advanced GNSS Simulator

- Simultaneous testing of up to 4 frequencies
- L1, L2, L2C, L5, E1, E5, E6, B1, B2, B3

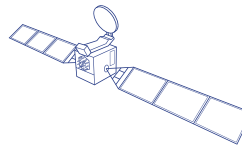
GNSS CONSTELLATIONS



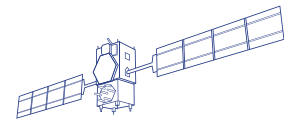
GPS



GLONASS



BeiDou



Galileo

CAPABILITIES

- Record and replay
- Anti-jam/spoof
- A-GPS/GNSS
- DGPS/RTK
- Sensor simulation
- Other systems: QZSS, SBAS
- Real-time scenarios
- Precision timing testing

Signal Test



Frequency Analyzers/Counters

- Ultra-high speed and resolution
- Rubidium atomic clock calibration option



Pulsed RF & Microwave Analyzer

- Frequency, Power, CW or Burst up to 60 GHz
- Includes 400 MHz timer/counter



Microwave Antenna Alignment Test Set

- Align microwave links in 20 minutes
- Independent of site power or radio installation



Portable Frequency Standard

- GPS, GLONASS Rubidium
- Battery option

Services



Enhanced Services

- Calibration and maintenance plans
- Installation and on-site services
- Global coverage

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