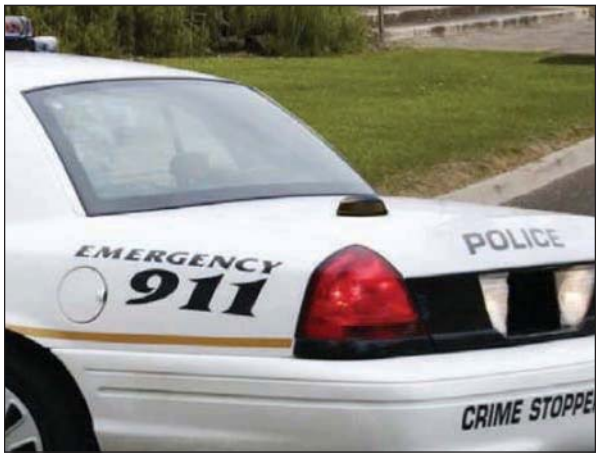
WIRELESS

▼ WiMax Multi Function GPS Receiver

The 3203A WiMaxGPS receiver provides extraordinary stability by using the cesium stability of the GPS satellite system. Available in both DC power and AC power versions, the 3203A is a high-performance frequency standard and comprehensive time standard, designed to meet the demanding specifications of WiMax. Frequency standard performance is application-tailored using a high-performance OCXO local oscillator to provide the necessary phase noise and stability performance. The standard configuration provides three 10 MHz and three 1 pps outputs mounted on the front of the unit for easy access. For timing, synchronization, and time keeping, the unit provides NTP, TP, and daytime protocol, in addition to the standard 1 pps outputs. The 1PPS output is accurate within <20 ns (1 sigma) of UTC(USNO). It tracks 12 parallel channels with accuracy of <20 ns. Features include 100/10 Base T Ethernet, NTP, Telnet, monitor/control i/f, alarm indicator, and output. GPS antenna and cable are included. **Precise Time and Frequency**, *www.ptfinc.com*



Low-Profile GPS Multi-Band Antenna ▲

PCTel's vehicle tracking antenna is designed for fleet monitoring applications within the public safety, commercial and delivery, service, military, agriculture, construction, and mass transportation industries. The Medallion GPS Multi-Band antenna features an attractive modern design in a rugged housing. This antenna offers multi-band coverage of GSM 850, GSM 900, GSM 1800, GSM 1900 and 2.3–2.6 GHz WiFi/WiMAX frequencies, coupled with GPS L1 capability. The low-profile housing provides "omnidirectional" trouble-free installation while complementing most vehicular aesthetic requirements. **PCTel**, *http://antenna.pctel.com*

GPS-Disciplined Quartz Oscillator ▼

The Low-Phase-Noise Ultra-Stable Quartz Oscillator (US-OCXO) for the Meridian Precision GPS TimeBase was designed to provide ultra-low-phase-noise outputs with close-in phase noise of 10 MHz better than −110 dBc/Hz @ 1 Hz offset. It is designed for military, commercial, broadcast, and telecommunications radio systems that employ radio frequency up-conversion. Poor phase noise will degrade bit-error rate in phase-modulated radio systems and transmit wideband noise at other frequencies. Regardless of regulatory or design criteria, the increased demand for the radio frequency spectrum requires the highest performance with less interference, and the US-OCXO is designed to solve this problem. The US-OCXO summary at 10 MHz locked to GPS includes frequency accuracy of <1×10−13, Allan deviation @ 1 sec of 6e-13, Allan Deviation @ 10 sec of <1e−12, and phase noise @ 1 Hz: −110 dBc. **EndRun Technologies**, *www.endruntechnologies.com*