

# Pacific Crest

Pacific Crest is the leading supplier of wireless data communication solutions designed for positioning and remote sensing applications. The company is also responsible for the sale and support of Trimble's high-accuracy GNSS board sets to the OEM and system integrator market. The combination of world class communication and GNSS technology with Pacific Crest's reputation for customizing solutions, results in an unrivaled offering in the marketplace. Pacific Crest provides a total customer solution that reduces the size, cost, and complexity of critical data communications and positioning systems.

## Markets Served

Pacific Crest serves a broad cross-section of major markets with its rugged and reliable radio and positioning solutions. These markets are broken down into two discrete application segments: precise positioning and remote sensing.

Precise positioning applications include land/marine surveying, construction and machine control, agriculture, and infrastructure monitoring. These applications utilize both Global Navigation Satellite Systems (GNSS) technology and the radio links that communicate Real-Time Kinematic (RTK) corrections from GNSS reference stations to GNSS rover receivers. Pacific Crest is uniquely positioned in the Geomatics industry in that it offers both the GNSS positioning technology and the radio links required for precise positioning.

Remote Sensing applications include environmental monitoring, water management, and pipeline/transmission line management. These applications require the broadcast of digital information from remote sensing devices to central offices that process the data for decision making. Devices such as thermometers, pH meters and pressure sensors relay their measurements to radio links for broadcast back to the central stations which, in turn, send command/control instruction back to the remote sensors.



## Positioning Solutions

Pacific Crest offers Trimble's latest centimeter-level positioning technology to system integrators. The Trimble BD960 GNSS receiver module harnesses GPS L1/L2/L5 and GLONASS L1/L2 signals in an easy-to-integrate module that provides fast RTK initialization with proven low-elevation tracking. It also includes decimeter positioning with OmniSTAR XP/HP support. The BD950 L1/L2 GPS module provides outstanding reliability in a wide range of guidance and control applications. The receiver's small size and exceptionally low power requirements make it especially suitable for portable solutions. The BX960, a real-time kinematic (RTK) GNSS receiver is easy to integrate in an environmentally rugged enclosure.

## Radio Solutions

Radio modems from Pacific Crest provide wireless data links for RTK positioning and remote sensing. These broad spectrum transceivers offer up to 35 Watts of power and over-the-air link rates as high as 19,200 bps. Pacific Crest is the leading provider of high-performance data links for the Geomatics industry based on the acceptance of its communications protocols as the standard for RTK surveying.

Compact and lightweight, the radios are also watertight and rugged enough for the toughest environments. They are easily configurable in the field with an enhanced user interface. Easy-to-integrate modules are also available to system integrators seeking the best radio modems possible.



**PACIFIC CREST**  
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