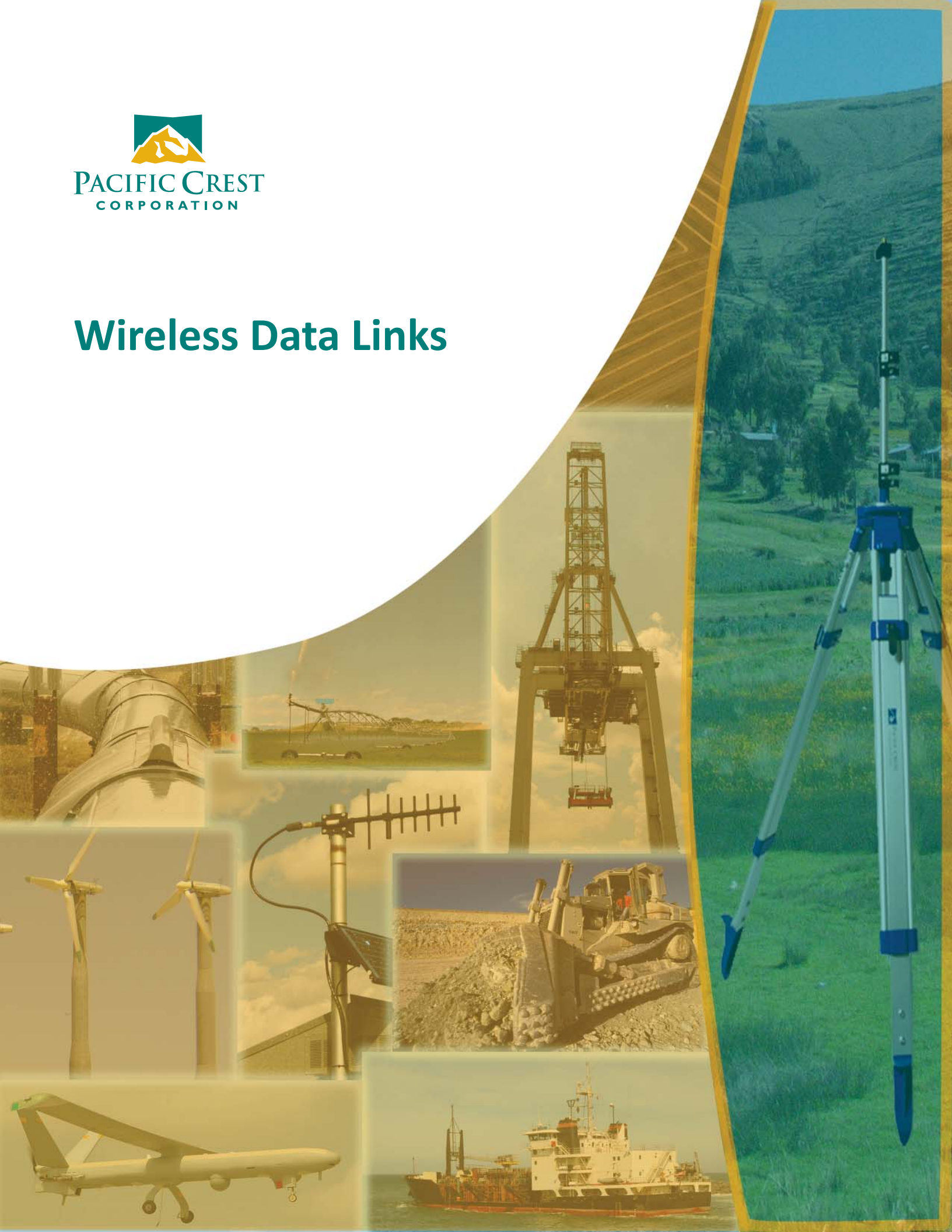




PACIFIC CREST
CORPORATION

Wireless Data Links



Wireless Data Links

Introduction

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.



PDL LPB

Surveyors utilizing Global Navigation Satellite Systems require rugged radio modem data links for precise positioning information. PDL products are compact, lightweight and offer power-efficient operation. They are easy to use and provide high performance and rugged dependability for the toughest survey environments. PDL products have an enhanced user interface that allows the users to view status information and also to change channels in the field in order to find the best one for transmission.

The PDL Low Power Base (LPB) offers 2 W of output power.

The PDL High Power Base (HPB) has a high output power of 35 W which makes it the most powerful radio of its type anywhere. With a fast over-the-air data rate, the PDL HPB also offers reduced latency for improved GPS positioning.



PDL HPB



PDL RXO

The PDL RXO is a high-quality, narrow-band radio modem receiver designed for integration into products that require a one-way radio communication link. This sophisticated receiver is completely compatible with the entire PDL family of radio modems. System costs are lowered due to the PDL's high level of integration, meaning a significant reduction of the amount of cables, enclosures, and power supplies.





EDL II

The EDL II is a power-efficient, low-maintenance solution for all environmental monitoring applications. The EDL II connects directly to N-type omnidirectional and directional antennas, eliminating the requirement for RF cables. A TNC connector option allows the use of a rubber duck antenna directly on the unit for portable/mobile applications.

A fully sealed design allows the EDL II to be used in harsh environments. Connecting the EDL II directly to the antenna allows the best performance and highest reliability. This also reduces potential interference and cost issues that may result from mounting a radio modem inside the instrumentation enclosure. rugged dependability for the toughest survey environments.

SITECOM

The PDL Sitecom™ is a rugged, reliable radio modem that enables high-precision GPS locating and tracking — machine control — for bulldozers, tractors, and other high-value assets used in construction, agriculture, and other applications.

The Sitecom radio incorporates unique features to guarantee reliable and cost-effective operation in demanding construction environments. The rugged unit features an enclosure and design that allow direct mounting of an omni-directional flexible antenna and RS-232 interface for connectivity to the GPS receiver and power supply. Two unique mounting options are offered: a removable mount using magnets and a permanent plate, both specially designed to isolate the Sitecom from vibration and shock that could degrade its performance.

Sitecom is approved for operation in the United States and certified for use in Europe and other countries in the world. It is also compatible with most GPS systems and heavy machine equipment.

The PDL product line is compatible with GPS/GNSS RTK equipment worldwide allowing for easy integration with other equipment or systems. They are completely sealed, waterproof, and corrosion resistant to make them environmentally secure.



The Gold Standard in Communication and Positioning



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