



The PDLRXO 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.

## PDLRXO

### High Performance Data Link

Designed for  
Product Integration

**19,200 Baud Rate**  
High Over-the-Air Link Rate  
Extends Your Battery Life

**Low Power Consumption**  
Only 0.3 Watts of Power

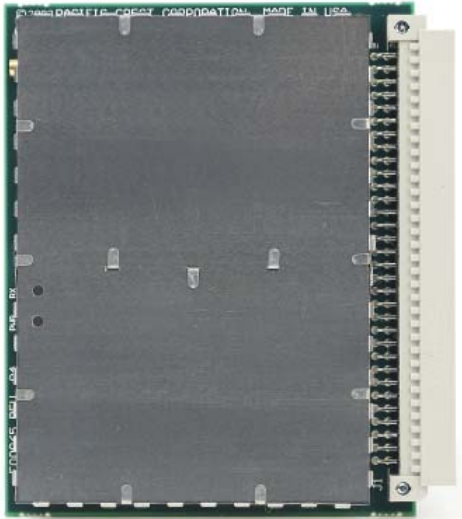
**Compact**  
Easy to Integrate  
Minimal Weight

**Cost Effective**  
Reduces External Power  
Supplies and Cables

# PDLRXO SPECIFICATIONS

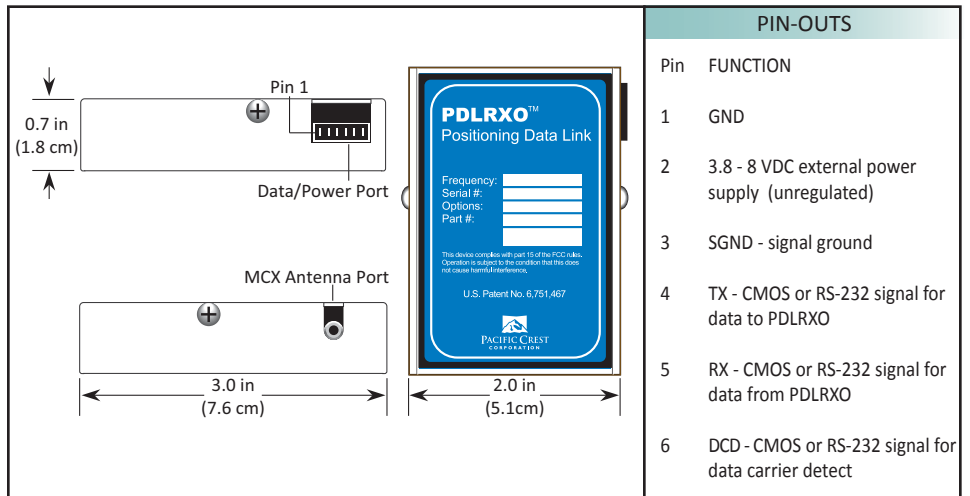


Compact Format  
(internal view)



Eurocard Format

General Specifications	
DTE - DCE Interface	4-Wire, 38.4 kbps maximum, RS-232
User Interface	Refer to Pin-Outs below
Power	
External	3.8 – 8.0 VDC
During RX (nominal)	0.3 Watts
Antenna	
External	50 Ohm, MCX
Modem Specifications	
Link Rate/Modulation	19,200 bps/4 Level FSK 9600 bps/GMSK 4800 bps/GMSK
Link Protocols	Transparent, Packet Switched, TRIMTALK™ Fast Asynchronous
Forward Error Correction	Hamming Code (12, 8) with Data Interleaving
Radio Specifications	
Frequency Bands	410-430, 430-450, 450-470 Mhz
Frequency Control	Synthesized 12.5 kHz Resolution ±2.5 ppm Stability
RF Transmitter Output	0 Watt (Receive Only)
Sensitivity	-110 dBm BER 10 <sup>-5</sup>
Adjacent Channel Selectivity	>65 dB at 25 kHz
Type Certification	All models are type accepted and certified for operation in the U.S., Canada and Europe
Environmental Specifications	
Operating Temperature	-22° to +140° F (-30° to +60° C)
Storage Temperature	-67° to +185° F (-55° to +85° C)
Mechanical Specifications	
Dimensions	2.0" W x 0.7" H x 3.0" L (5.1 cm W x 1.8 cm H x 7.6 cm L)
Weight	3 oz. (86 grams)
Data/Power Connector	Molex 53015 Six Pin (mates with Molex 51003-0600)
Mount	4 x #4 – 40 Threaded Inserts



990 Richard Avenue, Suite 110, Santa Clara, CA 95050  
 Tel: 1.800.795.1001 (US & Canada) - +1.408.653.2070 (International - +31.725.764.175 (Europe)  
 Fax: +1.408.748.9984, Web: www.pacificcrest.com, Email: sales@pacificcrest.com

©2008 Pacific Crest Corporation. TRIMTALK™ is a trademark of Trimble Navigation Limited.  
 License required prior to operation of radio communication equipment. Specifications subject to change without notification.