

PDL PRODUCT COMPARISON

	High Power Base	Low Power Base	Rover	EDL II	SITECOM
General Specifications					
DTE - DCE Interface	3 Wire, RS-232, 38.4k Baud Maximum			RS-232 Serial Asynchronous	3 Wire, RS-232, 38.4k bps Maximum
User Interface	On/Off Button* ("Auto Power On" enabled when connected to power source Channel Button with AutoBase™ and AutoRover™ Digital Display Modem/Power Status Indicators RF Power Select Toggle Switch	On/Off Button* ("Auto Power On" enabled when connected to power source Channel Button with AutoBase™ and AutoRover™ Digital Display Modem/Power Status Indicators	On/Off Button Channel Button with AutoRover™ Digital Display Modem/Power Status Indicators	RX LED - RF Carrier Detect TX LED - Transmitter Active PWR LED - Unit is Powered	
Power					
External	9 – 16 VDC				9 – 16 VDC
Internal Battery	N/A	N/A	Lithium Ion Rechargeable		
During TX (nominal)	110 Watts (35W)	11 Watts (2W)	N/A	5-11 Watts depending on RF Power	5-11 Watts depending on RF Power
During RX (nominal)	1.9 Watts	0.9 Watts	0.3 Watts	2.2 Watts	2.2 Watts
Antenna					
External	50 Ohm, BNC	50 Ohm, NMO	50 Ohm, NMO	50 Ohm, TNC or N-Type	50 Ohm, NMO
Modem Specifications					
Link Rate/Modulation	19,200 bps/4 Level FSK (25 kHz) 9600 bps/4 Level FSK (12.5 kHz) 9600 bps/GMSK (25 kHz) 4800 bps/GMSK (12.5 kHz)				
Link Protocols	Transparent, Packet Switched, Digipeater, TRIMTALK™	Transparent, Packet Switched, Digipeater, TRIMTALK™	Transparent, Packet Switched, TRIMTALK™	TRIMTALK™, Fast Asynchronous, Transparent, Packet Switched, Digipeater	Transparent, Packet Switched, Digipeater, TRIMTALK™
Forward Error Correction	Yes			Hamming Code (12,8) with Interleaving	Yes
Radio Specifications					
Frequency Bands	410-430, 430-450, 450-470 Mhz				
Frequency Control	Synthesized 12.5 kHz Resolution ±2.5 ppm Stability				
RF Power Select	Low/High	Factory Programmable	N/A	Factory Set	
RF Transmitter Output	2/35 Watts Maximum	0.5 – 2 Watts	0 Watt (Receive Only)	0.5W or 2W	
Sensitivity	-110 dBm BER 10 ⁻⁵				
Adjacent Channel Selectivity	>65 dB (25 kHz), >55 dB (12.5 kHz)		>60 dB (25 kHz), >50 HdB (12.5 kHz)		>65 dB (25 kHz), >55 dB (12.5 kHz)
Type Certification	All models are type accepted and certified for operation in the U.S. and Canada. For detailed information concerning your country's type certification, please contact your sales representative.				
Environmental Specifications					
Operating Temperature	-22° to +140° F (-30° to +60° C)		-4° to +140° F (-20° to +60° C)		-22° to +140° F (-30° to +60° C)
Storage Temperature	-67° to +185° F (-55° to +85° C)		-4° to +185° F (-20° to +85° C)		-67° to +185° F (-55° to +85° C)
Vibration Shock	ANSI/ASAE EP455				8g RMS, 20-2000 Hz Random Vibrations Operational ±40g, 11 msec Survival ±75g, 6 msec
Enclosure	IEC 144/855420 I.P. 66 Watertight and Dustproof				
Marine Electronics	N/A			IEC Class Exposed Clause 8	N/A
Mechanical Specifications					
Dimensions	6.23" W x 2.77" H x 6.58" L (15.8 cm W x 7.0 cm H x 16.7 cm L)	8.25" L x 2.40" Diameter (21.0 cm L x 6.1 cm Diameter)	8.25" L x 2.40" Diameter (21.0 cm L x 6.1 cm Diameter)	8.35" L x 1.63" D (21.21 cm L x 4.10 cm D)	8.35" Length x 1.63" Diameter (21.21 cm Length x 4.1 cm Diameter)
Weight	2.96 lbs. (1.34 Kg)	0.65 lbs. (0.30 Kg)	0.75 lbs. (0.34 Kg)	0.86 lbs (0.39 Kg)	1.10 lb (0.50 Kg)
Data/Power Connector	5 Pin LEMO #1 Shell	5 Pin LEMO #0 Shell	5 Pin LEMO #0 Shell	8-Pin Waterproof Turck	8 Pin Circular Waterproof IP67
Mount	Tripod Bracket	5/8" – 11 Range Pole	5/8" – 11 Range Pole	Antenna Mast, Wall	