

**STANDARD FEATURES**

<b>GENERAL</b>	
Input Voltage	+9...+16 Vdc
Operating Voltage Feeding	4-pin ODU MINI-Snap Size1
Power Consumption (average)	1.8W Typical (Receive) 120W Typical (Transmit 35W output power) 100W Typical (Transmit 25W output power)
Temperature Range-Operating	-25 degrees celsius ... +55 degrees celsius -40 degrees celsius ... +75 degrees celsius (absolute minimum/maximum)
Temperature Range Storage	-40 degrees celsius ... +85 degrees celsius
Antenna Connector	TNC, 50ohm, female
Construction	Aluminum Enclosure
Size H x W x D	189 x 138 x 71 mm (w. connectors)
Weight	1420 g
IP Classification	IP67 (NEMA 6)
<b>TRANSCEIVER</b>	
Frequency	403...473 MHz
Tuning Range	70 MHz
Channel Width	12.5 / 20 / 25 kHz (Software Selectable)
Frequency Error Tolerance	<1 kHz
Communicating Mode	Half-Duplex
<b>TRANSMITTER</b>	
Carrier Power	10, 20, 25 or 35W / 50 ohm (Default) 5, 10, 20 or 25 W / 50 ohm (Option)
Carrier Power Stability	(+2 dB / -3 dB)
TX Duty Cycle	100% (22 degrees celsius / 35 degrees celsius) 40%
35W	20 min / 13 min no limit
10 W	No limit / 50 min no limit
<b>RECEIVER</b>	
Sensitivity	< -114 dBm (BER < 10 E-3)
Co-channel Rejection	> -12 dB
Adjacent Channel Selectivity	> 47 dB @ 12.5 kHz / > 52 dB @ 25 kHz
Intermodulation Attenuation	> 60 dB
Spurious Radiation	< 2 nW
<b>DATA MODEM</b>	
Interface	RS-232
Interface Connector	Waterproof IP67, 8 pin ODU
Data Speed of Serial Interface	300-38,400 bps
Data Speed of Radio Interface	19,200 bps (25 kHz) 9,600 bps (12.5 / 20 kHz)
Data Format	Asynchronous RS-232

*Note: Subject to BCDA LADD's evaluation*