

SPECIFICATIONS:

A) ELECTRICAL

1. Frequency Range	:	2670-2690 MHz
2. Frequency Stability	:	± 1 ppm
3. Power Output	:	4 W ± 1dB
4. Tx. EIRP	:	9 dBW
5. Message Length	:	40 Characters max.
6. Message Transmission	:	ALOHA
7. Transmission rate	:	600 bps
8. Information Rate	:	300 bps
9. Format	:	HDLC
10. Error Protection	:	16 bit CRC
11. Error Correction	:	Rate ½ FEC
12. Modulation	:	BPSK
13. Harmonics	:	-35 dBC min
14. GPS Receiver	:	Built-in
15. Antenna:		
a) S-Band	:	2670-2690 MHz
1) Type	:	Patch
2) Beam Width	:	± 45 Deg.
3) Connector	:	SMA (F)
b) L-Band (GPS)	:	1575.42 MHz
1) Type	:	Patch
2) Connector	:	SMA (F)
16. Keypad	:	7 X 5
17. Display	:	16 X 2
18. Supply:		
1) Internal	:	Li-ion rechargeable Battery
2) External	:	DC socket (10.8 V) input.



B) MECHANICAL

1) Weight	:	750 gms (max)
2) Size (mm)	:	202 X 86 X 49 approx.

Avantel Limited