

SPECIFICATIONS:

A) ELECTRICAL

1. Frequency Range	:	2670-2690 MHz
2. Step Size	:	20 KHz
3. Frequency Selection	:	Thru Serial Port
4. Frequency Stability	:	± 1 ppm
5. Power Output	:	8W ± 1dB
6. Tx. EIRP	:	12 dBW
7. Message Length	:	200 Characters max.
8. Message Transmission	:	TDMA or ALOHA
9. Transmission rate	:	600 bps
10.Information Rate	:	300 bps
11.Format	:	HDLC
12.Error Protection	:	16 bit CRC
13.Error Correction	:	Rate ½ FEC
14.Modulation	:	BPSK
15.Harmonics	:	-35 dBC min
16.Data Interface	:	RS232
17.GPS Receiver	:	Built-in
18.Connectors	:	2-pin Circular (DC) 4-pin Circular (PC Interface)
19.Antenna:		
a) S-Band	:	2670-2690 MHz
1) Type	:	Patch
2) 3.0 dB Beam Width	:	± 45 Deg.
3) 1.0 dB Beam Width	:	± 60 Deg.
4) Connector	:	SMA (F)
b) L-Band (GPS)	:	1575.42 MHz
1) Type	:	Patch
2) Connector	:	SMA (F)
20.Supply Voltage	:	24 V Dc



B) MECHANICAL

1.Type	:	Cylindrical pole for Mounting
2. Weight	:	3.5 Kgs
3. Size (mm)	:	∅ 135 X 384 mm for pole mount

Avantel Limited