

ELECTRICAL


Input Voltage:	12 - 37 VDC
Current:	
Avg. Standby:	130 mA (w/o opt GPS) 235 mA (w opt GPS) @ 12 VDC
Avg. Transmit:	250 mA (w/o opt GPS) 355 mA (w opt GPS) @ 12 VDC
Peak Power-up:	725 mA (w/o opt GPS) 830 mA (w opt GPS) @ 12 VDC

IRIDIUM RF

Operating Frequency:	1616 to 1626.5 MHz
Duplexing Method:	Time Division Duplex
Multiplexing Method:	TDMA/FDMA
Link Margin Downlink:	13 dB Average
Link Margin Uplink:	7 dB Average

DATA I/O

Hardware Interface:	4 RS-232 Serial Ports 1 CAN (Controller Area Network Port) 10 Digital I/O Lines
SBD Mobile Originated:	340 Bytes/message
SBD Mobile Terminated:	270 Bytes/message

 Aventech Research Inc. 110 Anne Street South, Unit 23 Barrie, Ontario, Canada L4N 2E3	REVISION A	TITLE AvSTAR ODMS Technical Specifications
	THE INFORMATION CONTAINED IN THE SHEET IS THE SOLE PROPERTY OF AVENTECH RESEARCH INC.. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF AVENTECH RESEARCH INC. IS PROHIBITED.	DRAWING NUMBER AvSTAR ODMS V1

ENVIRONMENTAL

Operating Temperature: -22 F to +140 F (-30 C to + 60 C)
Operating Humidity: < 100 %RH

PHYSICAL

Dimensions: 8.0" L X 5.0" W X 2.5" D
(203 mm X 127 mm X 64 mm)

Weight: ~4.0 pounds (1815 g)


I/O Interface: RS-232 Serial Ports 12 pin Male Hirose HR30 Series
CAN Port 6 pin Female Hirose HR30 Series
Digital I/O Port 12 pin Female Hirose HR30 Series

Iridium Antenna: SMA Female

GPS Antenna: SMA Female

Cooling: Convection

Enclosure: Black Anodized Aluminum

 Aventech <i>Research Inc.</i>	Aventech Research Inc. 110 Anne Street South, Unit 23 Barrie, Ontario, Canada L4N 2E3	TITLE AvSTAR ODMS Technical Specifications
	THE INFORMATION CONTAINED IN THE SHEET IS THE SOLE PROPERTY OF AVENTECH RESEARCH INC.. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF AVENTECH RESEARCH INC. IS PROHIBITED.	REVISION A