

# Hecto

- Iridium® communications solution
- Rugged and dependable design



## TELEMATICS

The HECTO, fully certified by Iridium, is a satellite modem comprised of an Iridium 9602 transceiver with extended input voltage range. It allows short-burst data (SBD) connectivity to the Iridium satellite network and does not support voice, circuit switched data, or short message service (SMS). The HECTO can be controlled by any data terminal equipment (DTE) capable of sending standard AT commands via an RS232 serial port. Key features of the HECTO include:

- Does not incorporate nor need a SIM card to operate
- Offers a maximum mobile originated (MO) message size of 340 bytes
- Offers a maximum mobile terminated (MT) message size of 270 bytes
- Supports RS232 serial connection
- Capable of voltage range from 4.5 VDC to 32 VDC



## TECHNICAL SPECIFICATIONS

### PHYSICAL

|                 |                           |
|-----------------|---------------------------|
| Dimensions      | 2.81"L x 1.90"W x 1.035 H |
| Weight          | 5 oz                      |
| I/O Interface   | 15-Pin D-SUB              |
| Iridium Antenna | SMA Threaded              |
| Enclosure       | Aluminum                  |

### DATA I/O

|                 |                     |
|-----------------|---------------------|
| MO Message Size | 340 bytes/message   |
| MT Message Size | 270 bytes/message   |
| Interfaces      | RS232 / AT Commands |

### ENVIRONMENTAL

|                       |               |
|-----------------------|---------------|
| Operating Temperature | -40C to +185C |
| Operating Humidity    | ≤ 75% RH      |
| Storage Temperature   | -40C to +185C |
| Storage Humidity      | ≤ 93% RH      |

### ELECTRICAL

|                 |                       |
|-----------------|-----------------------|
| Input Voltage   | +4.5VDC to +32VDC     |
| Input Ripple    | < 40 mVpp             |
| Standby Current | 45 mA @ +5.0 VDC Avg. |
| Peak Current    | 1.5 A @ +5 VDC Avg.   |
| Transmit        | 190 mA @ +5.0 VDC     |

### CANADA

MetOcean Telematics  
21 Thornhill Drive  
Dartmouth, Nova Scotia  
Canada B3B 1R9  
sales@metocean.com

+1 902 468 2505

### UNITED STATES

MetOcean Telematics  
1750 Tysons Blvd  
Suite 1500, Office 1547  
McLean, VA 22102  
sales@metocean.com

+1 844 728 2868

### UNITED KINGDOM

MetOcean Telematics  
Fusion 2, 1100 Parkway  
Whiteley, Hampshire  
United Kingdom PO15 7AB  
sales@metocean.com

+44 1489 888 555

### AUSTRALIA

MetOcean Telematics  
1/13A Elite Way  
Carrum Downs, Victoria  
Australia 3196  
sales@metocean.com

+61 3 9708 2884

[www.metocean.com](http://www.metocean.com)