

Hecto

- Iridium® communications solution
- Rugged and dependable design



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 +8 VDC to +30 VDC



TECHNICAL SPECIFICATIONS

PHYSICAL

| | |
|-----------------|---------------------------|
| Dimensions | 3.50"L x 1.98"W x 1.075"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 | +8 VDC to +30 VDC |
| 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 |

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