

# Pico

- Iridium® communications solution
- GPS enabled controller board



The Pico is a GPS enabled controller board featuring the world's smallest commercially available satellite transceiver, the Iridium 9603, making it one of the smallest modem solutions available on the market. Performing as more than just a serial controller, the Pico includes a high-performance 32 bit microcontroller, enabling control of various on-board peripherals.



## TECHNICAL SPECIFICATIONS

### PHYSICAL

Dimensions	2.3" L x 1.63" W x 1.065" H
Weight	100 g
I/O Interface	DB15 / 3.3V UART
Iridium Antenna	SMA Threaded
Enclosure	Aluminum

### DATA I/O

MO Message Size	340 bytes/message
MT Message Size	270 bytes/message
Interfaces	Extended AT commands 4x digital I/O's 2x 12bit analog to digital inputs 48 Channel Sirf Star IV GPS

### ENVIRONMENTAL

Operating Temperature	-40C to +85C
Operating Humidity	≤ 75% RH
Storage Temperature	-40C to +85C
Storage Humidity	≤ 93% RH

### ELECTRICAL

Input Voltage	+7VDC to +28VDC
Input Ripple	< 40 mVpp
Standby Current	100 µA
Peak Current	600 mA
Average Transmit Current	90 mA
Average GPS Current	40 mA
Output	Fused 5v Switched Power
Radio Frequencies	1616 to 1626.5MHz (Iridium 9603) 1575.42MHz (48 Channel GPS)



21 Thornhill Drive, Dartmouth, Nova Scotia B3B 1R9 CANADA  
Tel: +1 902 468-2505 | Fax: +1 902 468-4442 | Email: sales@metocean.com

metocean.com