



## ROADWARRIOR



Connect Tech's **ROADWARRIOR** enables remote monitoring, controlling and collecting of data from multiple I/O interfaces through a wireless cellular data link or Low Earth Orbit (LEO) satellite.

**Product Name:** RoadWarrior  
**Part Number:** RDG001

**ROADWARRIOR** can be controlled from any Internet connected device. This product is designed for rugged mobile, mission-critical and industrial strength applications that require enhanced wireless M2M (machine-to-machine) connectivity.

**ROADWARRIOR** can be configured to operate on any existing cellular network standard and frequency bands today, with drop-in replacement upgradeability to operate on future cellular networks. **ROADWARRIOR** also has the capability of operating on LEO satellite networks.

With a wide range of interfaces including RS-232, RS-485, CAN, GPS, Bi-directional GPIO, High Voltage Isolated GPIO and ADC's, **ROADWARRIOR** is ideal for many remote or mobile application environments including transportation and military applications.



## FEATURES

- ✓ *Remotely monitor, control and collect data from multiple I/O interfaces*
- ✓ *Operate on any cellular or Low Earth Orbit (LEO) network*
- ✓ *Control from any Internet connected device*
- ✓ *RS-232, RS-485, CAN, GPS, Bi-directional GPIO, Isolated GPIO and ADCs*

### Specifications

<b>Cellular</b>	Cellular Networks: HSPA/EV-DO/UMTS/EDGE/GPRS/CDMA Frequency Bands: 3G/3.5G: 850/1900/2100 MHz 2G/2.5G: 850/900/1800/1900 MHz Drop-in replacement for future mobile telephony standards, networks and frequency bands
<b>GPS</b>	NMEA-0183 V3.01 compliant GPS messages
<b>Satellite</b>	Optional satellite communication capabilities via Low Earth Orbit (LEO) Satellites
<b>Serial</b>	2 x RS-232, 2 x RS-485
<b>CAN</b>	2 x CAN 2.0b
<b>GPIO</b>	16 bits +3.3V or +5V bi-direction GPIO 3 bits optically isolated outputs (0 ~ +40V DC) 3 bits optically isolated inputs (0 ~ +40V DC)
<b>ADC</b>	4 channels of 10-bit / 1Msps ADCs
<b>I/O &amp; Power Connectors</b>	2.5mm pitch terminal block headers
<b>Main Control Unit</b>	Microchip PIC32 Microcontroller (PIC32MX775) which can be optionally configured end-users application code
<b>Enclosure</b>	Rugged extruded aluminum enclosure with mounting flanges. 5.275" (width) x 2.000" (height) x 6.000" (length)
<b>Input Power</b>	+9 to +30V DC with reverse polarity protection (ability to handle standard vehicle power)
<b>Operating Environment</b>	Industrial Temperature: -40°C to 85°C (-40°F to 185°F)
<b>Warranty and Support</b>	Lifetime warranty and free technical support

**RoHS**

Specifications subject to change without notice.  
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