Product Name: RoadWarrior



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.

ROADMARRIOR 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.

ROADMARRIOR 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. **ROADMARRIOR** 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, **ROADMARRIOR** is ideal for many remote or mobile application environments including transportation and military applications.

Specifications	
Cellular	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
GPS	NMEA-0183 V3.01 compliant GPS messages
Satellite	Optional satellite communication capabilities via Low Earth Orbit (LEO) Satellites
Serial	2 x RS-232, 2 x RS-485
CAN	2 x CAN 2.0b
GPIO	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)
ADC	4 channels of 10-bit / 1Msps ADCs
I/O & Power Connectors	2.5mm pitch terminal block headers
Main Control Unit	Microchip PIC32 Microcontroller (PIC32MX775) which can be optionally configured end-users application code
Enclosure	Rugged extruded aluminum enclosure with mounting flanges. 5.275" (width) x 2.000" (height) x 6.000" (length)
Input Power	+9 to +30V DC with reverse polarity protection (ability to handle standard vehicle power)
Operating Environment	Industrial Temperature: -40°C to 85°C (-40°F to 185°F)
Warranty and Support	Lifetime warranty and free technical support



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

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