



Vector 300HX™ - Telematics Unit

WWW.IMARDAINC.COM

Prolificx's Vector series of Windows® CE hardware platforms are versatile, cost-effective solutions for a broad range of telematics and M2M applications, including:

- » Data Logging
- » Security
- » Vehicle Tracking
- » Fleet Management
- » Asset Management

With a range of wireless communications options, vehicle bus connectivity, GPS, and flexible I/O interfacing, the full programmability of the Vector devices enable users to develop and integrate the hardware solution to closely match the operational requirements of their businesses.

By adopting the Windows CE operating system and providing programming support at both C++ and C# level, the Vector series of devices can be programmed by any competent Windows Mobile or .NET developer - detailed hardware knowledge is not required.

We also provide a range of sample applications and API libraries to simplify development and speed time to market.



To find out more about how our Vector devices can help you increase business efficiency and better manage your mobile assets, please visit www.imardainc.com or email us at the below regional offices.

VECTOR 300FM SPECIFICATIONS

PROCESSOR

Marvell PXA270 processor

ON-BOARD MEMORY

Flash (32 or 64MB)
SDRAM (64 or 128MB)

POWER SUPPLY

12-24 volt protected automotive power supply
Internal battery backup (2 size options)
Compliant to ISO7637-2 and SAE J1455

POWER CONSUMPTION AT 12V

150 mA Active (non transmitting)
<25 mA Suspend mode (modem in standby)
<5 mA Shutdown mode

COMMUNICATIONS & CONNECTIVITY

NEXTG
USB Host
USB Slave
RS232 or J1708 or RS485
Bluetooth
CAN Bus - J1939, FMS, ISO15765 or custom

GPS

20 Channel on-board SiRF Star III high sensitivity GPS
(including support for WAAS and EGNOS)
Antenna open and short circuit detection

Inputs and OUTPUTS

4 * High current outputs (250mA)
1 * 0-32V Analog input (10 bit)
1 * Input voltage analog input (10 bit)
4 * Protected digital inputs

AUDIO

Line out, Line In, Microphone In

MOVEMENT SENSOR

3 Axis Accelerometer
Programmable wakeup threshold

ENVIRONMENTAL

Operating Temperature: -30°C to +70°C
Storage Temperature: -40°C to +85°C
Humidity: 95% RH @ 50°C non condensing
Shock and Vibration: SAE J1455

SIZE

140mm * 88mm * 45mm

STANDARDS

A Tick
Telstra approved Modem

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