



GoBook® VR-1

Semi-Rugged Notebook

WIRELESS

- Integrated GPS & Wireless (4 concurrent: Wi-Fi, WWAN, GPS and Bluetooth)
- GPS with SiRF III software and firmware
- Built-in wireless upgrade flexibility (CRMA™ Express)
- NetMotion Mobility XE to seamlessly transition from WWAN to WLAN to 10/100/1000 Ethernet
- Intel® PRO/Wireless 2915ABG network connections 802.11 a/b/g
- Supports both GPRS/EDGE and 1xRTT/EV-DO

TOUGH

- Magnesium Alloy Case
- Shock Mounted HDD & Display
- Spill Resistant Keyboard and Palm Rest area
- MIL-STD 810F vibration, temperature and humidity
- 30" drop tested

PERFORMANCE

- 2.0 GHz Intel® Pentium® M Processor
- Up to 2GB RAM
- Intel® 915GM Express Graphics Memory Controller hub with Intel® Graphics Media Accelerator 900 featuring DVM T 3.0 and 128MB video memory
- Auto adjusting hi-bright LCD screen with integrated touch panel

SECURITY

- Fingerprint Scanner
- SmartCard Reader for access 'Gate Keeping'
- Removable HDD

The rugged features your field deployed workers expect at a price you can afford.

The very reliable GoBook VR-1 provides superior vibration, water ingress, operating temperature and drop shock characteristics than typical semi-rugged or consumer laptops. Fully optimized for your 'on-the-go' mobile workforce, the vehicle-ready VR-1 can withstand extreme temperatures (-20° to 60° C (-4° to 140° F)); humidity (95% RH); spills on the keyboard and palm rest area (up to 100cc within five seconds); punishing 30 inch drops; and bone-jarring vibrations from constant in-vehicle fleet use.

Performance

Not only did we outfit this laptop with ALL the rugged features you need, we also included the powerful Intel® Pentium® M 2.0 GHz Processor, 533 MHz FSB, 2MB L2 cache. Utilizing the Intel® Graphics Media Accelerator 900 the VR-1 enables advanced graphics manipulation for intense applications, while maintaining speed and performance. And it even has an auto-adjusting LCD screen that adapts to changing light conditions to conserve battery life.

Ultimate Wireless

Building on the Itronix legacy for high-performance enterprise wireless solutions, the VR-1 offers a full range of radio options; simultaneously operating up to four, including: Bluetooth, 802.11a/b/g, either 1xRTT / EV-DO or GPRS/ EDGE, and an optional Integrated GPS module, which features a highly optimized Quadrifilar Helix antenna for maximum satellite positioning access. For the ultimate in mobility between networks, the VR-1 offers Netmotion software, which allows users to dynamically and seamlessly travel in their active sessions between LAN, WLAN, and WWAN. In addition, the unique Common Radio Module Architecture Express (CRMA® EXPRESS) allows for seamless plug-and-play integration of radios as wireless technologies evolve, further extending the 'return on investment' (ROI) of your semi-rugged notebook computer.

Security

No we did not forget security, the VR-1 comes standard with a removable hard disk drive and can be equipped with fingerprint scanner and Smart Card (CAC) reader for secured access 'gate keeping'.

Product Specifications

Durability Features:

- Magnesium Alloy Case
- Shock-Mounted Removable HDD
- Shock Mounted Display
- Spill Resistant Keyboard and Palm Rest Area
- MIL-STD 810F vibration, temperature and humidity
- 30" Drop Shock resistant (six drops)

CPU:

- Intel® 2.0 GHz Intel® Pentium® M Processor + 533 MHz FSB
- 2 MB L2 Cache

Storage & Memory:

- 40 GB removable shock mounted 6.35cm (2.5") HDD standard
- 80 GB HDD optional
- Optional HDD Heater 40 GB and 80 GB
- 512MB DDRII DRAM standard, 512MB & 1024MB DDRII DRAM upgrades
- 512 MB base, upgradable to 1.0GB, 1.5GB, and 2.0GB configurations

Display:

- Shock Mounted 12.1" XGA Transmissive, outdoor readable, TFT Active Matrix Color LCD
- Integrated Touch Panel
- External video support up to 2048 x 1536 at 4 billion colors (32 bit color depth)

Video Graphics:

- Intel® 915GM Express Graphics Memory Controller hub with Intel® Graphics Media Accelerator 900 featuring DVMT 3.0 and 128MB video memory

Audio:

- Internal microphone and (2) speakers PCI Audio with AC97 compliance

Expansion Slots:

- Type II PC Card Slot, standard
- Optional PCI Express
- Optional SmartCard Reader

Multimedia Pocket:

- CD-RW Options: DVD-ROM/CD-RW or DVD-RW/CD-RW

Keyboard & Input:

- Standard notebook keyboard layout, 84 full-size 19mm pitch keys
- 3-button capacitive touch pad for optimum bare hand operation

Interface:

- 56k modem, 10/100/1000 Ethernet
- 2x USB 2.0
- PC card slot for (1) Type I, II, card with 32 bit card bus and support for zoomed video
- Built-in RJ-11 and RJ-45 jacks for integrated fax/modem and Ethernet
- USB 2.0 Connector for USB Peripherals
- 9 pin high speed serial port
- 68 pin multi I/O docking connector
- 15 pin external video (CRT) port
- External speaker and microphone jacks
- Optional Smart Card reader and PCI EXPRESS

Wireless LAN:

- Intel® PRO/Wireless 2915ABG network connections 802.11a/b/g

Integrated Wireless Communications (Options):

- Wireless WAN includes 1xRTT / EV-DO or GPRS/ EDGE
- Wireless LAN includes Intel PRO/Wireless 2915ABG;
- Bluetooth (various combinations available depending specific requirements)
- GPS is also available as a fully integrated option
- The GPS Quadrifilar Helix antenna is located in the top of the display housing to optimize GPS performance
- Up to 4 RF modems can be integrated at one time
- Common Radio Module Architecture



(CRMA) Express with fully integrated, rugged and user replaceable WWAN radio modules

- Supports PCMCIA in the PC Card Slot and OEM radio modules
- Engineered for minimum radio desense for maximum wireless coverage
- Superior wireless power management.

Integrated Wireline Communications:

- 56 Kbps V.92 fax/modem with 10/100/1000M bit Ethernet LAN standard
- Mini PCI performance/protected modem available for more demanding applications.

Power Supply:

- Smart 4400 mAh (47.52W) Lithium Ion main Battery & AC Adapter
- Battery life of 4-5. hours with user-selectable Battery Management utility
- Optional Smart 6600 mAh (71.2W) Lithium Ion main Battery pack upgrade.

Software:

- Microsoft Windows XP

Enhanced Security & Protection:

- Optional Fingerprint scanner
- Smart Card (CAC Card) Reader
- Kensington Lock
- SuperPassword
- Pre-boot Password

Warranty:

- 3 year warranty, with additional extensions available based on service parts

Dimensions & Weight:

- 1.7" (H) x 11.5" (W) x 9.8" (D) (4.32 cm. (H) x 29.21 cm. (W) x 24.89 cm. (D))
- 5.8lbs (2.63 kg)

Integrated Options:

- Bluetooth USI Class II Antenna
- GPS Module w/ Integrated Sarantel Antenna
- CRMA Express - CDMA (1xRTT/EV-DO)

- CRMA Express - GSM (GPRS/EDGE)
- CRMA Express - UMTS European

Pointing Device:

- 3-Button touch pad controls
- Optional touch screen

Accessories:

- Vehicle Cradle w/ RF Connectors
- Vehicle Cradle w/o RF Connectors
- Office Dock

- Standard Battery (6 cells)
- Extended Battery (9 cells)
- AC Adapter & Cord (65W)

- Vehicle Adapter - 12V (70W)
- Vehicle Adapter - 24V (70W)
- Soft Handle & Hardware Kit
- Shoulder Strap & Hardware Kit

- Office dock
- Vehicle dock with lock, power

- (2) USB Interfaces, and RF contacts for external vehicle-mounted antennas (the vehicle dock has more connections than are listed)

- Carry cases for system and accessories;
- NetMotion Mobility XE, providing seamless roaming connectivity.

Other Options:

- Express Card
- Smart Card Reader
- Stylish Hard Handle
- Fingerprint Scanner
- Custom Labels
- Custom Disk Image

Environmental Specifications:

- Die-cast magnesium for all structural components
- Operating temperature -20° to 60° C (-4° to 140° F) with optional hard drive heater
- Vibration per MIL-STD 810F, 514.5 and ASTM 4169-99 truck assurance level II, schedule E.
- 30" drop tested

GENERAL DYNAMICS

Itronix

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