



## GoBook<sup>®</sup> XR-1

### *Dual-Core Fully Rugged Notebook*

#### **POWERFUL**

For Today and Years to Come

- Intel<sup>®</sup> Core Duo; FSB 667 MHz, 1.83 GHz
- ATI RADEON<sup>®</sup> Mobility X300 128M HyperMemory External Graphics Controller
- Up to 4 GB RAM

#### **RUGGED**

Providing for Computing Anywhere, Anytime

- Meets and exceeds MIL-STD 810F
- Sealed against water and dust intrusion (IP54)
- Magnesium alloy casing and impact absorbing bumpers
- Crash-tested for in-vehicle safety
- Hazardous Location (HazLoc) Certification

#### **WIRELESS**

Unparalleled Performance and Flexibility

- WWAN, WLAN, PAN, and GPS available all in one system
- Leading edge, high speed data transfer
- Coverage even in fringe areas

- Worldwide 2.5G and 3G cellular support
- Switchable WWAN and WLAN for in-vehicle applications
- Seamless roaming for uninterrupted coverage
- CRMA<sup>™</sup> Express for field upgrade ability to new WWAN technologies

#### **ERGONOMIC**

Built for Rugged Mobility

- Smallest and lightest full-size rugged notebook (6.8 lbs)
- ColorVue<sup>™</sup> display for unmatched sunlight viewability
- Desktop quality, full-sized, sealed keyboard
- Intuitive design for easy operation

#### **SECURITY**

Unmatched Data and Asset Protection

- Multiple user and network authentication options
- Fingerprint, SmartCard, TPM, file/folder locking
- Configurable access to all input/output devices for data transfer restrictions
- Multiple asset protection features



## Fully-Rugged, Multi-Wireless, State-Of-The-Art Notebook... Beautiful!!

As the newest member of the General Dynamics line of rugged computers, the GoBook® XR-1 differentiates itself in six key categories — size and weight, performance, ergonomics, ruggedness, wireless capabilities, and security — and raises the bar for mobile computing performance. The handsomely innovative GoBook® XR-1 notebook is as powerful and rugged as it is ergonomic and portable, sporting the lightest and smallest footprint of any fully-rugged notebook. Designed for anywhere, anytime mission-critical computing the GoBook XR-1 integrates the new Intel® Core Duo 1.83-GHz processor - and ATI X300 Mobility™ Radeon® X300 128M HyperMemory external graphics controller - to give it the power to leverage multi-threaded applications and boost overall speed and performance.

The GoBook® XR-1 offers an incredible array of industry leading wireless capabilities, and can simultaneously deploy four integrated radios – including GPS - for the ultimate in wireless coverage. Designed with data security in mind, the GoBook® XR-1 incorporates a much sought after assortment of secure computing features, including a TPM 1.2, SmartCard Reader, integrated fingerprint scanner, removable hard disk drive and a combination of user-enabled password security options, making it the perfect choice for uncompromising secure data collection work environments.

### GoBook XR-1 Product Specifications

#### Durability Features:

- Meets and exceeds MIL-STD 810F
- Water/Dust tight (IP54/IEC 60529)
- Die-cast magnesium chassis
- Sealed I/O ports
- Optional hazardous location certification Class 1, Division 2, Group A, B, C and D
- SAE J1455 vehicle crash tested (when used with an Itronix certified vehicle dock)

#### CPU:

- Intel® Core Duo (T2400)
- 1.83 GHz Processor speed
- FSB 667 MHz
- 2MB L2 Cache

#### Memory:

- 512 MB-4GB DDRII DRAM

#### Video Graphics:

- ATI RADEON Mobility X300 128M HyperMemory external graphics controller
- 32MB dedicated memory, 96MB shared memory for a total of 128MB graphics memory

#### Display:

- 12.1" TFT XGA outdoor transmissive ColorVue™ display
- Integrated touchscreen
- Display heater (standard)
- XGA through external VGA port

#### Storage:

- Choice of 40 GB or 80 GB shock mounted 2.5 in. (6.35cm) ruggedized, removable 5400 RPM SATA HDD
- HDD heater (standard)

#### Integrated Wireline Communications:

- 56 Kbps V. 92 fax/modem
- 10/100/1000M bit Ethernet LAN standard

#### Integrated Wireless Communications:

- Up to 3 RF modems and a GPS receiver can be integrated at one time
- Engineered for minimum radio dense to get maximum wireless coverage
- Superior wireless power management
- MobilityXETM software for secure wireless access and seamless roaming between your wireless or wired WAN and LAN coverage areas

#### Wireless LAN (Options):

- Choice of Intel® PRO/Wireless 3945ABG or Atheros® extended range (high power) 801.11 a/b/g network connections
- 2.4, 5.0 GHz dualband diversity antennas
- Authentication: WPA and WPA2, 802.1X (EAP-TLS, TTLS, MD5, PEAP, LEAP, EAP-FAST), EAP-SIM
- Encryption: 64-bit and 128-bit WEP, AES-CCMP, CKIP, TKIP

#### Wireless WAN (Options):

- Choice of EV-DO/1xRTT/CDMA or HSDPA/UMTS/EDGE/GSM
- Common Radio Module Architecture (CRMA) Express with fully integrated, field replaceable WWAN radio modules
- Integrated 800 - 2500 Ultra-Wideband antennas

#### Wireless PAN (Option):

- Bluetooth V.1.2

- Class 1 (100m (328ft) line-of-sight)
- Integrated antenna

#### GPS (Option):

- Fully integrated GPS
- Di-electrically loaded high performance quadrifilar helix antenna
- SiRFXTac high sensitivity GPS software for increased acquisition and tracking

#### Keyboard & Input:

- Full-sized, 87-key sealed keyboard
- Choice of NiteVue™ glow-in-the-dark or backlit keyboard
- Localized versions available

#### Audio:

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

#### Expansion Slots:

- Type II PC Card Slot (standard)
- Optional SmartCard reader or Express54™ card reader

#### Media Bay:

- Swappable media bay accepts: Combo DVD-ROM/CD-RW, MULTI DVD-RW/CD-RW, or secondary battery

#### I/O Interface:

- RJ-11 (wireline modem), and RJ-45 (ethernet LAN), 3x USB 2.0, serial port (9-pin), external video (15-pin), FireWire™ (IEEE 1394a), audio headphone (mini jack), microphone (mini jack)

#### Power Supply:

- 7200 mAh (79.9W) Lithium Ion main battery
- Optional 3800 mAh (41.1W) Lithium Ion media bay battery pack

- Battery life of 4-6 hours with main battery, 5.5-7 hours with secondary battery
- GoBook Power Saver for user selectable power management optimization

#### Operating System Software:

- Microsoft® Windows® XP Professional, SP2

#### Enhanced Security & Protection:

- Password security: Pre-boot, Supervisor, User
- Trusted Platform Module security chip (TPM v1.2)
- Fingerprint scanner (optional)
- Smart Card (CAC Card) Reader (optional)
- Cable lock slot
- SuperPassword: To selectively disable I/O devices (optional)
- Stealth mode: To boot-up without sound/light emissions

#### Dimensions & Weight:

- 1.98" (H) x 11.8" (W) x 9.65" (D) (50mm (H) x 300mm (W) x 245mm (D))
- 6.8lbs (3.1 kg)

#### Accessories:

- Vehicle Cradle with or w/o RF Connectors
- Office Dock
- AC Adapter & Cord (90W)
- Vehicle Adapter - 12V - 24V (90W)
- External battery chargers
- RF contacts for external vehicle-mounted antennas
- Protective keyboard and display overlays
- Choice of carry handles, straps, and carry cases

#### Warranty:

- 3 year warranty

## GENERAL DYNAMICS

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