| semi-rugged | **rugged** | ultra-rugged |

| **semi-rugged** | rugged | ultra-rugged |

Model Name	GoBook® XR-1	GoBook® VR-2
Rugged Classification	Rugged Notebook Computer (Die-Cast Magnesium)	Semi-Rugged Notebook Computer
Dimensions	1.98" (H) x 11.8" (W) x 9.65" (D)	2.24" (H) x 12.05" (W) x 10.24" (D)
System weight (battery included)	6.8 lbs (3.1 kg)	6.2 lbs (2.81 kg)
Rugged Specifications	Meets and exceeds MIL STD 810F; IP54 Rating; Sealed I/O ports; Optional Compliance UL1604 Class 1, Division 2, Group A, B, C, D for Hazardous Location SAE J1455 Vehicle Crash Tested (when used in a GD-Itronix certified vehicle dock)	Meets MIL STD 810F standards for Temperature, Vibration, Humidity, and Altitude, and ANSI ANSI/IEC 529 5x dust ingress protection, Spill resistant keyboard, 30" drop
Processor	1.83 GHz Intel® Core™ Duo (T2400) and a ATI RADEON Mobility X300 128M HyperMemory external graphics controller with 64MB dedicated memory, 64MB shared memory for a total of 128MB graphics memory	Intel® Core™ Duo (T7500)
Mounting Options	Vehicle Cradle with or without RF Connectors; Office Dock	Vehicle Dock with or without external antenna connections for WLAN and WWAN; Office Dock
Display	12.1" XGA TFT Transmissive outdoor viewable display with award winning DynaVue™ patent-pending technology and heater; User adjustable backlit display to 55 steps	13.3" XGA TFT Active Matrix Color LCD display with Mobil Intel® 965 Chipset and award winning DynaVue™ patent-pending technology; User adjustable backlit display to 15 steps
Touchscreen	Integrated	Integrated
Hard Disk Drive (HDD) or CompactFlash	Shock Mounted 2.5" 80 or 120GB Removable HDD; Standard HDD Heater for extreme cold temperatures	Standard Shock Mounted 2.5" 80GB removable hard disk drive (HDD); Optional 120GB HDD; Optional HDD heater for low temperature performance
Operating system	Microsoft® Windows XP® Professional, SP2 or Windows® Vista®	Microsoft® Windows XP® Professional, SP2 or Windows® Vista®
Memory Available (std. and max.)	Standard 512MB DDRII SDRAM, expandable to 4GB	Standard 512MB DDRII SDRAM, expandable to 4GB
Available Drives	Swappable Media Bay accepts: Combo DVD-ROM/CD-RW; DVD+-RW/CD-RW; or secondary battery	Multi-drive CD-RW/DVD-RW (optional)
I/O Ports	RJ-11 (wireline modem); RJ-45 (ethernet); 3x USB 2.0; 9-pin Serial Port; 15-pin external video; FireWire™ (IEEE1394a); audio; microphone	RJ-45; RJ-11; 9-Pin Com; 15-Pin VGA; Audio I/O; 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; Optional Smart Card reader, PCI, and Express card
Keyboard	Full-sized, 87-key sealed keyboard; NiteVue® glow-in-the-dark or backlit options available; Localized versions available; Capacitive Touchpad	Full-sized, 84-key keyboard, with dedicated Windows® key; 2-button electrostatic touchpad with scrolling support
Power supply	7200 mAH (79.9Wh) Lithium-Ion main battery; Optional 3800 mAH (41.1Wh) Lithium-Ion secondary media bay battery pack	Standard 6 Cell high capacity Lithium-Ion (47.52Wh) main battery; Optional 9 Cell high capacity Lithium-Ion (71.2Wh) 12/24V vehicle adapter; AC adapter
Battery life (w/o radios)	4-6 hrs main battery; 5.5 - 7 hrs with secondary media bay battery pack	4-6 hrs
Modem	56 Kbps V.92 fax/modem; 10/100/1000M bit Ethernet LAN standard	56 Kbps V.92 fax/modem; 10/100/1000M bit Ethernet LAN standard; Mini PCI option
Integrated Wireless (Option)	Support for simultaneous WWAN, 802.11a/b/g, GPS, Bluetooth®, and WLAN; Intel® PRO/Wireless 4965 Network Connection with respective drivers; Radio On/Off switch, CRMA Express, EVDO, HSDPA, GPS, Quadra-helix antenna, SiRF III firmware / software, and Bluetooth®	Support for simultaneous WWAN, 802.11a/g/n, GPS, Bluetooth®, and WLAN; Intel® PRO/Wireless 4965 Network Connection with respective drivers; Radio On/Off switch, CRMA Express, EVDO, HSDPA, GPS, Quadra-helix antenna, SiRF III firmware / software, and Bluetooth®
Warranty	3 yr Limited Warranty Expanded service option: Ruby/Emerald and Diamond	3 yr Limited Warranty Expanded service option: Sapphire and SapphirePlus
Accessories	Vehicle cradle; Office dock; AC adapter (90W); Vehicle adapter (12V - 24V); External battery charger; RF contacts (for external vehicle-mounted antennas); Protective keyboard/display overlays; Carry handle, Shoulder strap, and carry case	Vehicle Dock with or w/o RF switch connectors; Office Dock; AC Adapter & Cord (65W); Vehicle Adapter - 12/24V (70W); Soft, Handle; Shoulder Strap, Express Card Reader; Smart Card Reader; Fingerprint Scanner; Custom Labels; Custom Disk Image
Operating Temperature	Operating temperature: -23° to 60°C (-10° to 140°F) Storage temperature: -55° to +75°C (-67° to +167°F)	Operating temperature: -20° to 60° C (-4° to 140° F) with optional hard drive heater
Security	Password Security; Cable lock slot; Trusted platform module (TPM) security chip v.1.2; Fingerprint scanner (optional); SmartCard reader (optional); Computrace® theft protection	Password Security; Cable lock slot; Trusted platform module (TPM) security chip v.1.2; Fingerprint scanner (optional); SmartCard reader (optional)

About General Dynamics Itronix

General Dynamics Itronix is a world-class developer of wireless, rugged computing solutions for mobile workers in a variety of environments, including:

- Commercial Field Service
- Telecommunications
- Public Safety and First Responders
- Military and Government
- Utilities

From rugged full-size and ultra-portable notebooks to Tablet PC's, General Dynamics Itronix delivers highly integrated wireless mobile solutions that are suited for mission critical applications in challenging environments. Coupled with a comprehensive offering of services, including implementation, project management and asset management, General Dynamics Itronix provides the full turnkey solution. For more details on General Dynamics Itronix products, services and partners worldwide, please contact us:

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GENERAL DYNAMICS
Itronix

semi-rugged	**rugged**	ultra-rugged

semi-rugged	**rugged**	ultra-rugged

Model Name	Duo-Touch® II Tablet PC	GoBook® MR-1
Rugged Classification	Rugged 'Slate' Tablet PC (Die-Cast Magnesium)	Rugged, Ultra-Mobile Notebook (Die-Cast Magnesium)
Dimensions	10.6" (L) x 1.65" (D) x 7.2" (W)	1.56" (H) x 6.0" (W) x 4.33" (D)
System weight (battery included)	4.1 lbs (1.86 kg)	2.0 lbs (.91 kg) with standard battery
Rugged Specifications	Meets or exceeds MIL STD 810F; IP54 Rating; Sealed I/O Ports; Optional Compliance UL1604 Class 1, Division 2, Group A, B, C and D for Hazardous Location	Meets or exceeds MIL STD 810F; IP54 Rating; Sealed I/O Ports; Optional Compliance UL1604 Class 1, Division 2, Group A, B, C and D for Hazardous Location
Processor	Intel® Core™ Duo ULV, 1.2GHz U2500	Intel® Core™ Solo ULV, 1.2GHz U1400, 533 FSB, 2 MB L2 Cache
Mounting Options	Vehicle Dock and Desk Mount with Communications Ports	Vehicle Dock; Expanded IO box; Mini Office Dock
Display	8.4" SVGA TFT Transmissive outdoor viewable display with award winning DynaVue™ patent-pending technology, User adjustable backlit display to 25 steps	5.6" WSVGA TFT Transmissive outdoor viewable display with award winning DynaVue™ patent-pending technology, User adjustable backlit display to 64 steps
Touchscreen	Std. Active (digitizer pen required) 2540 PP and Passive touchscreen	Integrated touchscreen Passive touchscreen option
Hard Disk Drive (HDD) or Solid State Drive (SSD)	Shock mounted 2.5" 60GB or 120GB HDD with heater Optional 16GB or 32GB Solid State Drive	Shock mounted 1.8" PATA 40GB or 80GB with HDD heater Optional 16GB or 32GB Solid State Drive
Operating system	Microsoft® Windows XP® Tablet PC Edition 2005 or Windows® Vista®	Microsoft® Windows XP® or Windows® VISTA®
Memory Available (std. and max.)	512MB to 2GB DDRII SDRAM	512MB or 1GB DDRII DDRAM
Available Drives	PC Card type I or II CompactFlash type I or II	N/A
I/O Ports	RJ-11; (2) USB; 26-Pin docking; audio; RJ-45 for 10/100/1000 Mbps Ethernet LAN	1 USB and Docking Connector Optional Expansion Module with 1 RS 232 and 1 USB
Keyboard	Virtual Keyboard; External USB Keyboard option	76-key sealed, backlit keyboard. Dedicated right and left mouse click keys
Power supply	3900mAH LI-ion (main), 3900mAH LI-Ion (expansion), 12V and 24V vehicle adapter, 90W power adapter	4000 mAH (29Wh) Lithium Polymer main battery Optional 8000 mAH (59Wh) Lithium ION 'extended' battery pack Battery Gas Gauge
Battery life (w/o radios)	3 hrs (main); 6 hrs (main + expansion)	3 hours (main); 6 hours (extended)
Modem	56kbps V.92	N/A
Integrated Wireless	Support for simultaneous WWAN, 802.11 a/g/n, Bluetooth® User accessible PCMCIA bay for PC Card WWAN radios	Support for simultaneous WWAN, 802.11 a/b/g and Bluetooth®; WWAN options include 1xRTT/EVDO rev. A or EDGE/UMTS/HSDPA
Warranty	3 yr Limited Warranty Expanded service option: Ruby/Emerald and Diamond	3 yr Limited Warranty Expanded service option: Sapphire, SapphirePlus
Accessories	Vehicle Power adapter; Hand strap; Port replicator; Carry cases; Shoulder straps; Expansion (secondary) battery	Mini Office Dock; Vehicle Dock
Operating Temperature	Operating temperature: −20° to +60° C (-4° to +140° F)	Operating temperature −20° to +60° C (-4° to +140° F)
Security	Password Security; Cable lock slot; Trusted platform module (TPM) security chip v.1.2; Fingerprint scanner (optional); SmartCard reader (optional)	Password Security; Cable lock slot; Trusted platform module (TPM) security chip v.1.2; Fingerprint scanner (optional); SmartCard reader (optional)

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