

Thor VX9

Vehicle-Mount Computer

The strongest materials can open new possibilities for their owner. The Thor VX9 vehicle-mount computer does just that. The VX9 harnesses full Microsoft® Windows® computing power in a mobile environment, optimizing application and network management compatibility, while remaining flexible enough to run multiple advanced applications, with a Microsoft® Windows® 7 Professional MUI, Windows® XP Professional MUI or Windows® Embedded Standard 2009 operating system.

A 12.1" touch screen display provides exceptional operator viewing comfort, and improves the usability of graphics-intensive applications. Radio communications are delivered on the move with optional Bluetooth® wireless connectivity, WLAN or WWAN radios. And it's all packaged in an IP54-rated magnesium enclosure that's built to thrive in the toughest environments.



Features

- **Field Proven Reliability:** Minimizes downtime and maintenance cost with a magnesium case and ruggedness test specifications; dominates the Microsoft® Windows® 7/XP rugged vehicle market with proven reliability in countless rugged vehicle applications
- **Powerful:** Maximizes productivity with Intel Core 2 Duo and Atom processors; minimizes the wait when GUI screens refresh
- **802.11n WLAN and 3.5G WWAN Radios:** Enhances productivity with an extensive range of communications capabilities

Thor VX9 Technical Specifications

Mechanical/Environmental

| | |
|------------------------------|---|
| Dimensions | 12.2" x 9.8" x 3.5" (308mm x 249mm x 89mm) |
| Weight | 8.2 lbs. (3.7 kg) |
| Operating Temperature | -22 to +122°F (-30 to +50°C) |
| Start-up Temperature | -4 to +122°F (-20 to +50°C) |
| Storage Temperature | -4 to +122°F (-20 to +50°C) |
| Environmental Sealing | Independently certified to meet IP54 standards for moisture and particle resistance |
| Material | High strength magnesium housing |
| Vibration | According to IEC 60068-2-64, Test Fh |
| Shock | Bump: according to IEC 60068-2-29, Test Eb |

System Architecture

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|-------------------------------|---|
| Processor | Intel® Core 2 Duo 1.5GHz, Intel® Atom 1.6GHz |
| Operating System | Microsoft® Windows® 7 Pro with MUI, Microsoft® Windows® XP Professional MUI, Microsoft® Windows® Embedded Standard 2009 (WES 2009) |
| Memory | 1GB, 2GB |
| System Software | VMT Manager (Config. Utility), Citrix® Client, Windows® Terminal Services, Barcode Wedge |
| Optional Software | RFTerm® (Windows Terminal Emulations VT220, TN5250, TN3270), FreeFloat® Access*One Terminal Emulator (VT220, TN5250, TN3270), On-screen soft keyboard |
| Mass Storage | 80 GB 2.5" Hard Drive Automotive, 16 GB CF Solid State Drive, 8 GB CF Solid State Drive, 2 GB CF Solid State Drive (WES Only) |
| Graphics Processor | Intel® Graphics Media Accelerator (GMA 950), up to 224MB DVMT 3.0 |
| Power Supply & UPS | External power supplies for DC from 10 to 150V and AC, integrated Li-ION maintenance UPS |
| Display | Indoor 12.1" (307mm) TFT flat panel SVGA (800x600), 450 NIT, 700:1 contrast ratio; Indoor 12.1" (307mm) TFT flat panel XGA (1024x768), 500 NIT, 700:1 contrast ratio; Outdoor 12.1" (307mm) TFT flat panel SVGA (800x600), 1000 NIT, 600:1 contrast ratio |
| Touch Panel | Industrial 5-wire touch panel with resistive touch and support for finger touch and stylus, Optional touchscreen defroster |
| Audio | 1 Audio out (headset), 1 Mic in (microphone) |
| I/O Ports | 2 PS/2 keyboard/mouse ports (Adapter cable required for second port), 2 Serial ports (COM1) & (COM2) COM1 supports 5V to external device, 1 USB 2.0 port, 1 Multi-purpose connector (Serial + USB), 1 RJ-45 ethernet 10/100 |
| Storage Expansion | 2 PC Card type II slots |
| Warranty | 1 year factory warranty |
| Service Plans | Optional one-, three- and five-year service programs offer worry-free mobile computing |

Wireless Connectivity

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|----------------------|---|
| WWAN | GSM/GPRS Edge, HSDPA/UMTS/WCDMA, Multiband 850/900/1800/1900/2100 MHz, Remote GSM/GPRS antenna included |
| WLAN | 802.11 a/b/g, 802.11 a/b/g/n |
| WLAN Security | Authentication: Support for a full range of 802.1X (EAP) types, including EAP-TLS, PEAP-MSCHAPv2, PEAP-GTC, LEAP, and EAP-FAST; Encryption: Support for Static, pre-shared, and dynamic encryption keys, 40-bit and 128-bit keys, 8 to 63 ASCII and 64 hexadecimal character passphrases, WEP, WPA (TKIP), and WPA2 (AES) encryption methods. The 802.11 a/b/g/n radio also supports CCKM encryption. |
| WLAN Antennas | Dual diversity integral external antennas, Remote mount antenna kits available |
| WPAN | Bluetooth® 2.0+EDR |

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For more information:
www.honeywellaidc.com

Honeywell Scanning & Mobility

9680 Old Bailes Road
 Fort Mill, SC 29707
 800.582.4263
www.honeywell.com





www.L-TronDirect.com

800-830-9523

info@L-Tron.com

596 Fishers Station Dr | Victor, NY | 14564 | Suite 1 A

www.L-Tron.com

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