

# Thor VX9

## Vehicle-Mount Computer

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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

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- **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

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

## System Architecture

<b>Processor</b>	Intel® Core 2 Duo 1.5GHz, Intel® Atom 1.6GHz
<b>Operating System</b>	Microsoft® Windows® 7 Pro with MUI, Microsoft® Windows® XP Professional MUI, Microsoft® Windows® Embedded Standard 2009 (WES 2009)
<b>Memory</b>	1GB, 2GB
<b>System Software</b>	VMT Manager (Config. Utility), Citrix® Client, Windows® Terminal Services, Barcode Wedge
<b>Optional Software</b>	RFTerm® (Windows Terminal Emulations VT220, TN5250, TN3270), FreeFloat® Access*One Terminal Emulator (VT220, TN5250, TN3270), On-screen soft keyboard
<b>Mass Storage</b>	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)
<b>Graphics Processor</b>	Intel® Graphics Media Accelerator (GMA 950), up to 224MB DVMT 3.0
<b>Power Supply &amp; UPS</b>	External power supplies for DC from 10 to 150V and AC, integrated Li-ION maintenance UPS
<b>Display</b>	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
<b>Touch Panel</b>	Industrial 5-wire touch panel with resistive touch and support for finger touch and stylus, Optional touchscreen defroster
<b>Audio</b>	1 Audio out (headset), 1 Mic in (microphone)
<b>I/O Ports</b>	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
<b>Storage Expansion</b>	2 PC Card type II slots
<b>Warranty</b>	1 year factory warranty
<b>Service Plans</b>	Optional one-, three- and five-year service programs offer worry-free mobile computing

## Wireless Connectivity

<b>WWAN</b>	GSM/GPRS Edge, HSDPA/UMTS/WCDMA, Multiband 850/900/1800/1900/2100 MHz, Remote GSM/GPRS antenna included
<b>WLAN</b>	802.11 a/b/g, 802.11 a/b/g/n
<b>WLAN Security</b>	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.
<b>WLAN Antennas</b>	Dual diversity integral external antennas, Remote mount antenna kits available
<b>WPAN</b>	Bluetooth® 2.0+EDR

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