Thor VX8

Vehicle-Mount Computer

In the dynamic environment faced by the modern enterprise, accurate, real-time data is critical. With this in mind, many enterprise resource planning (ERP) deployments are looking to integrate every possible datapoint, including the warehouse floor, and the forklifts rolling on that floor during a shift. Vehicle-mounted computers operating in this environment require the enterprise-level computing power needed to handle robust applications and ERP systems without slowing the operator down.

The Thor VX8 is designed for enterprises that need full Microsoft® Windows® computing power in a mobile environment to optimize application and network management compatibility, and is 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. Radio communications are delivered on the move with optional Bluetooth® wireless connectivity, WLAN or WWAN radio configurations. And it's all packaged in an IP65-rated magnesium enclosure that's built to thrive in the toughest environments. In fact, when combined with its Microsoft® Windows® 7 performance, the VX8's rugged construction makes it ideal for a wide array of manufacturing applications including process control, quality assurance, intermodal operations, and more.

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 VX8 Technical Specifications

Mechanical/Environmental

Dimensions	11˝ x 9˝ x 3˝ (279mm x 229mm x 77mm)
Weight	7.7 lbs. (2.9 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 IP65 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

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-Polymer maintenance UPS
Display	Indoor 10.4˝ (264mm) TFT flat panel, SVGA (800x600), 400 NIT, 700:1 contrast ratio; Outdoor 10.4˝ (264mm), SVGA (800x600), 800 NIT, 900:1 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 (head set), 1 Mic in (microphone), Onboard speakers (front)
I/O Ports	2 PS/2 ports (1 keyboard, 1 mouse) w/strain relief, 2 Serial ports (COM1) & (COM2) support 5V or 12V to external devices, 2 USB 2.0 ports (with strain relief), 1 USB port under service lid, 1 Multi-purpose connector (Serial + USB), 1 RJ-45 ethernet 10/100, 1 VGA for external monitors
Storage Expansion	2 Mini-PCI, 1 PC card slot
Warranty	1 year factory warranty
Service Plans	Optional one-, three- and five-year service programs offer worry-free mobile computing

Wireless Connectivity

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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