



PRODUCTIVITY. INGENUOUSLY ENGINEERED.

VH10 SERIES



Every day, the workers in your forklifts and other material handling equipment are under pressure to move more product in, through, and out of the warehouse to meet customer demands. It will take a new level of efficiency. It will take a new level of accuracy. It will take the VH10.

The VH10 is built to provide the real-time information this workforce needs to get the job done fast and right – in your warehouse aisles, out in the yard or in a freezer. You get productivity, ingeniously engineered — with all the features you need for truly flawless fulfillment in your most demanding environments.

FEATURES AND BENEFITS

Rugged for superior reliability in nearly any environment

Built to handle the constant pounding of material handling equipment inside and outside the four walls, with IP66 sealing, an IEC 60721-3-5M3 rating for shock and vibration, sealed connectors and more.

Fits in virtually any material handling vehicle

Multiple mounting options — including standard RAM mounts and a 10-second quick release mount — plus a compact size make mounting easy, even in the smallest vehicles.

A keyboard built to enable maximum productivity in any application

A familiar PC-style layout, 12 specially sized direct function keys, plus 20 years of history developing the most usable keyboard allows you to achieve maximum process simplicity — from simple terminal emulation applications to today's intuitive graphics-intensive web-based Warehouse Management Systems.

Maximize uptime and minimize total cost of ownership with field serviceability

Replace the two elements that are most vulnerable to damage in minutes, right in your facility — the keyboard and touchscreen — no need to send to a service depot.

Freezer-ready for the coldest supply chain

With the VH10f you get true frost and condensation free operation in freezers with touchscreen and board heaters, smart temperature sensors that automatically control the heaters and heating speed, an elastomeric keyboard that works despite icing, and more.

A tough, reliable touchscreen display for indoor and outdoor viewing

The automotive-grade 640 NIT ultra bright display is easy to read, even in bright sunlight; the 5-wire touchscreen is the most accurate and reliable touchscreen technology available, providing a higher "touch life" for heavy use.

Flexible wireless connectivity options

802.11a/b/g/n Wi-Fi provides compatibility with virtually any wireless LAN; support for 'n' provides plenty of bandwidth to support any application

Backwards compatibility for cost-effective upgrades

Use the same mounts, accessories and applications you have today for your prior Psion vehicle mount mobile computers (8525/8255), allowing you to cost-consciously upgrade to the latest technologies to improve productivity, customer service and satisfaction.

Easily customize to meet your specific business needs

Add a Motorola corded or cordless scanner for fast and accurate capture of any bar code — even codes that are dirty or damaged. Add a push-to-talk microphone to enable instant voice communications with vehicle operators.

GET MAXIMUM PRODUCTIVITY AND FLAWLESS FULFILLMENT IN YOUR MOST CHALLENGING ENVIRONMENTS WITH THE VH10.

For more information, please visit www.motorolasolutions.com/vh10

TECHNICAL SPECIFICATIONS

PHYSICAL CHARACTERISTICS

Dimensions	10.87 in. W x 9.37 in. H x 3.54 in. D 276 mm L x 238 mm W x 90 mm D
Weight	8.1 lbs./3.66 kg (includes integrated UPS battery)
Construction	Cast aluminum; modular
Keyboard Options	Integrated full alpha numeric keyboard with 67 keys; QWERTY and AZERTY; 12 direct function keys; LED backlight
Power	Internal power supply 12-48V nominal, designed for forklift power; standard 5 min super capacitor backup; one week real-time clock backup
Optional UPS Battery	Optional internal 5000 mAh rechargeable battery for operation during power loss/brown out provides 15 minutes session persistence at a minimum during forklift battery swap
Display	8 in. color: 800 x 480; brightness 640 NITS; LED backlight
Display Defroster (VH10f Model)	Heated touch screen evaporates external condensation when moving out and in freezers
Touchscreen	Rugged 5-wire technology; passive stylus or finger operation
Interface Ports	2 USB host ports (one on the top, one on the bottom) 1 powered USB host port with 12V/1.5A 1 3.5 mm audio jack 2 full function UART RS-232 with 5V/1000mA for external devices
Mounting	Quick release mount; standard RAM mounts; adapters for legacy mounts; heavy duty mount; cantilever mount
Audio	High volume 93dBA beeper Optional push-to-talk speaker/microphone

PERFORMANCE CHARACTERISTICS

CPU	TI OMAP 3, 800 MHz
Operating System	Windows® CE 6.0
Memory	512MB RAM and 1GB Flash
Bundled Applications	Internet Explorer 6; Windows Mobile Device Center; Wordpad; ActiveSync
Terminal Emulation	TekTerm; Wavelink; Stay-Linked; Naurtech
Additional Software	Psion Mobile Control Center (MCC); PsionVU; Total Recall; Psion Active Remote Configuration (A.R.C.)
Application Development	Software Development Kit

USER ENVIRONMENT

Operating Temp.	-22° to 122° F/-30° to 50° C
Storage Temp.	-22° to 140° F/-30° to 60° C
Humidity	5% to 95% RH condensing with internal heating

USER ENVIRONMENT (CONTINUED)

Sealing	IP66
Integrated Sensors	Motion (accelerometer); temperature; ignition
ESD	±15kV air discharge, ±8kV direct discharge
Shock/Vibration	IEC 60721-3-5M3
Thermal Shock	-22° to 122° F/-30° to 50° C
Salt Fog	48 hours of 5% solution at 35° C
Solar Radiation	MIL STD 810-G, Method 505.5, Procedure II

WIRELESS DATA COMMUNICATIONS

WLAN	IEEE 802.11a/b/g/n
Antenna	Internal or external 2.4 and 5 GHz antennas
WPAN	Bluetooth® V2.0 + EDR

REGULATORY

Electrical Safety	UL/cUL/IEC/EN 60950-1 Indoor use
EMI/RFI	<i>North America:</i> FCC Part 15, Class B <i>Canada:</i> ICES 003 Class B <i>EU:</i> EN55022, EN 301 489-1, EN 301 489-17
WLAN/Bluetooth	<i>USA:</i> FCC Part 15.247, 15.407 <i>Canada:</i> RSS-210 <i>EU:</i> EN 300 328, EN 301 893
Environmental	RoHS/WEEE/REACH compliant
Flammability	IEC UL94-V0

ACCESSORIES

Accessories include: Pre-regulator; antennas; screen protector; push-to-talk speaker/microphone; mounts; USB Ethernet adapter (For a complete list of accessories, visit www.motorolasolutions.com/vh10)

WARRANTY

Subject to the terms of Motorola's hardware warranty statement, the VH10 Series is warranted against defects in workmanship and materials for a period of 1 (one) year from the date of shipment. For complete warranty statement, go to: <http://www.motorolasolutions.com/warranty>

RECOMMENDED SERVICES

- Service from the Start with Comprehensive Coverage
- Managed Device Service
- On Site System Support

WHERE IS THE VH10 AT HOME?

Industries

- Warehousing
- Manufacturing
- Transportation

Environments

- Warehouses
- Cold storage/freezer
- Indoor and outdoor yards
- Airports
- Intermodal terminals (such as seaports and railway yards)

