

# VH10 SERIES

PRODUCTIVITY. INGENUOUSLY ENGINEERED.

Psion



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.pSION.com](http://www.pSION.com) or [www.motorolasolutions.com/vh10](http://www.motorolasolutions.com/vh10)

# VH10 SERIES

## SPECIFICATIONS

### PHYSICAL CHARACTERISTICS

|                                 |   |
|---------------------------------|---|
| Dimensions                      | 10.87 in. W x 9.37 in. H x 3.54 in. D<br>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)<br>1 powered USB host port with 12V/1.5A<br>1 3.5 mm audio jack<br>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<br>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<br><i>Canada:</i> ICES 003 Class B<br><i>EU:</i> EN55022, EN 301 489-1, EN 301 489-17 |
| WLAN/Bluetooth    | <i>USA:</i> FCC Part 15.247, 15.407<br><i>Canada:</i> RSS-210<br><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.pSION.com](http://www.pSION.com) or [www.motorolasolutions.com/vh10](http://www.motorolasolutions.com/vh10))

### WARRANTY

Psion warrants that for a period of twelve (12) months commencing on the date of delivery to the Customer, that Psion's brand name new product ("Product(s)") will be free from all defects in material and workmanship under normal use, and performance of the Products will substantially conform to their official published specifications at the time of delivery. Products sold as refurbished Products are warranted for three (3) months from delivery. Non-serialized Product consumables, or operating supplies, such as, but not limited to, memory cards, cables, straps, holsters or batteries are warranted for a period of three (3) months from delivery. Products do not include any software programs that may come with the Product. Software, whether it is licensed by Psion or a third party, is provided under a separate agreement. By using the Product, Customer agrees to the terms set out herein as amended from time to time at Psion's discretion. <http://www.pSION.com/us/warranty.htm>

### RECOMMENDED SERVICES

Primary Service; Modular Services Complete; Modular Services Lite



## 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)