



# ZEBRA VC70N0

## ULTRA-RUGGED VEHICLE-MOUNT MOBILE COMPUTER

Your warehouse is the vital core of your manufacturing or distribution operations. Errors and the slow movement of materials in, through and out of this hub threaten product quality, order accuracy and order delivery times — and drive costs up and customer service levels down. What if you could empower operators in your material handling vehicles to increase efficiency and execute every task accurately? With the VC70N0, you can. The rugged VC70N0 is built to handle the demands of life on the vehicles in your warehouses, enabling operators to access the real-time information needed to achieve a new level of accuracy and productivity. Now, every movement of every item can be verified with a quick scan of the bar code as it is stored on the warehouse shelves, picked for delivery to the production line or to fulfill an order, packed and shipped. The result? More productive operators. Increased throughput. Accurate orders that are delivered on time, every time. And satisfied, loyal customers.

### Right-sized for all your material handling vehicles

Compact design improves operator visibility and safety while providing a large screen with plenty of room to display information operators need to improve task productivity and accuracy.

### High-speed Wi-Fi wireless connectivity

802.11a/b/g/n supports today's fastest available WLAN connections for superior application performance — plus easy integration with practically any WLAN.

### The power you need to support graphics-rich applications

A dual core 1 GHz processor, 2GB of Flash memory and a user-accessible SD card slot that supports up to 32GB provide best-in-class performance for demanding applications as well as OS-agnostic applications created with Zebra Technologies RhoMobile Suite.

### Our most rugged vehicle-mounted mobile computer

Designed for use in extreme warehouse environments, with a dust-and-water-tight IP66 sealing, rugged aluminum construction, freezer rating, sealed connectors and extreme shock and vibration testing.

### A large high-resolution display for easy reading

The 10.4 in. bright XGA 1024x768 600 NIT high resolution display is easy to view in nearly any lighting condition — from the warehouse aisles to the loading dock and yard.

### Flexible mounting to fit on practically any warehouse vehicle

Our U-mount and compatibility with VESA 75 standard mounting enable easy installation in the best possible location on sit down, standing and extended reach forklifts, pallet jacks, yard mules, yard trucks, airport tugs and more.

### The intelligence to manage itself

The VC70N0 can sense and react to the environment without human intervention. It can: adjust the screen brightness for the available light, detect motion and "blank" the screen to ensure drivers keep their eyes on the "road", monitor the

### WHERE IS THE VC70N0 AT HOME? Industries

- Retail/wholesale
- Distribution
- Transportation/distribution
- Industrial/manufacturing

### Environments

- Warehouses
- Cold storage
- Yards
- Airports
- Intermodal terminals
- Seaports
- Railway yards

temperature to activate the heated touchscreen when required to prevent condensation from forming and impacting usability.


### Customize for your specific environments and applications

Customize your VC70N0 to best meet your business needs with: glove-friendly alphanumeric or numeric keyboard; a corded or Bluetooth wireless scanner that can be paired with a quick scan of the pairing bar code printed on the VC70N0; a push-to-talk microphone and external 13 watt speaker, ready for collaboration with managers and co-workers; and a third-party Bluetooth headset for voice-directed solutions.

## ACHIEVE NEW LEVELS OF PRODUCTIVITY AND THROUGHPUT IN YOUR TOUGHEST WAREHOUSE ENVIRONMENTS

For more information, visit [www.zebra.com/vc70n0](http://www.zebra.com/vc70n0) or access our global contact directory at [www.zebra.com/contact](http://www.zebra.com/contact)

### SPECIFICATIONS CHART

| PHYSICAL CHARACTERISTICS         |   | Integrated Sensors     | Motion; humidity; temperature; ambient light; ignition   |
|----------------------------------|---|------------------------|--|
| Dimensions                       | 11.5 in. L x 8.9 in. W x 2.4 in. D<br>291 mm L x 225.4 mm W x 60 mm D   | ESD                    | ±15kV air discharge, ±8kV direct discharge   |
| Weight                           | 9.4 lbs./4.3 kg   | Vibration              | MIL-STD 810G; Method 514.6 – Functional  |
| Construction                     | Cast aluminum with integrated 3D shock- absorbing mount   | Mechanical Shock       | MIL-STD 810G; Method 516.6, Procedure 1 – Functional   |
| Keyboard Options                 | 3 keyboards, all backlit with IP66 sealing and tactile feedback: QWERTY or AZERTY, 65-key with function keys F1-F24; side-mounted 21-key Numeric/ Functional keypad           | Thermal Shock          | -40° F to +158° F/-40° C to +70° C   |
|                                  |   | Salt Fog               | MIL-STD 810G (8 hours of 5% solution at 35° C)   |
| Power                            | External IP66 sealed 9-60V DC/DC converter for all engines with 12V, 24V, 36V or 48V truck battery; External 100-240VAC power supply for AC-powered carts                     | Solar Radiation        | IEC 68-2-5 Procedure A for 3 days  |
|                                  |   | Altitude               | 15,000 ft./4,572 m above sea level   |
| WIRELESS DATA COMMUNICATIONS     |   |                        |  |
|                                  |   | WLAN                   | IEEE 802.11a/b/g/n   |
| Integrated Dual-function Battery | Provides up to 30 minutes session persistence during forklift battery swap and up to 72 hours RAM backup  | Antenna                | Internal WLAN diversity antenna; optional external WLAN antenna with diversity; internal Bluetooth antenna                             |
| Display                          | 10.4 in. color XGA (1024 x 768) LCD; 600 NIT LED backlit; resistive touchscreen; auto brightness control with ambient light sensor or manual control; motion sensing blanking | WPAN                   | Bluetooth Class II, v2.1 EDR, 3 Mb /s Easy pairing/unpairing labels  |
| VOICE AND AUDIO                  |   |                        |  |
| Display Defroster (optional)     | Touch screen heater evaporates external condensation when moving out and in freezers  | Audio                  | Built-in front-mounted 2W speaker; external 13 watt speaker and external Push-To-Talk microphone                                       |
| Interface Ports                  | Standard sealed and secured connectors: 1 RS-232 serial port with 5V/1.5A<br>1 RS-232 serial port with 5V/0.5A<br>2 USB port (host, 5V/1.5A)                                  | Push-to-Talk           | PTT (client included); PTT supported through external microphone, and integrated or external speaker                                   |
|                                  |   | Voice Directed Picking |  TekSpeech Pro Certified; Compatible with 3rd party |

1 USB OTG (service)  
CAN-Bus (J1939)  
10/100Mbps Ethernet

VDP clients

**Mounting** U-mount; standard RAM mount

## PERFORMANCE CHARACTERISTICS

**CPU** TI OMAP 4430, Dual Core @1GHz

**Operating System** Windows Embedded Compact 7 (WEC 7)

**Memory** 512MB SDRAM and 2GB Flash

**Expansion Slot** Micro SD up to 32GB SDHC Class 10; user accessible

**Terminal Emulation** Wavelink Terminal Emulation 3270, 5250, VT100, VT220; pre-loaded and pre-licensed

**Additional Tested Software** RhoMobile Suite; DataWedge; Mobility Services Platform (MSP); AppCenter; SAP ITS-Mobile

**Application Development** RhoMobile Suite and Enterprise Mobility Developer's Kit (EMDK)

## USER ENVIRONMENT

**Operating Temp.** -22° to 122° F/-30° to 50° C

**Storage Temp.** -40° to 158° F/-40° to 70° C

**Humidity** 5% to 95% condensing; integrated accessible and field-replaceable desiccant

**Sealing** IP66

## REGULATORY

**Electrical Safety** UL/cUL/IEC/EN 60950-1 Indoor use and UL/cUL/IEC/EN 60950-22 Outdoor use

**EMI/RFI** **North America:** FCC Part 15, Class B  
**Canada:** ICES 003 Class B  
**EU:** EN55022, EN 301 489-1, EN 301 489-17

**WLAN/Bluetooth** **USA:** FCC Part 15.247, 15.407  
**Canada:** RSS-210  
**EU:** EN 300 328, EN 301 893  
**AU/NZ:** AS/NZS 4268

**Environmental** RoHS/WEEE compliant

**Flammability** IEC UL94-VO

## ACCESSORIES

For a complete list of accessories, visit [www.zebra.com/vc70n0](http://www.zebra.com/vc70n0)

## WARRANTY

Subject to the terms of Zebra's hardware warranty statement, the VC70N0 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.zebra.com/warranty>

## RECOMMENDED SERVICES

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



Part number: SS-VC70N0. Printed in USA 04/15.©2015 ZIH Corp. ZEBRA, the Zebra head graphic and Zebra Technologies logo are trademarks of ZIH Corp, registered in many jurisdictions worldwide. All rights reserved. All other trademarks are the property of their respective owners.

ZEBRA TECHNOLOGIES