



**ULTRA-RUGGED VEHICLE-MOUNT MOBILE COMPUTER**

# MOTOROLA VC70N0

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 Motorola's 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 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.motorolasolutions.com/vc70n0](http://www.motorolasolutions.com/vc70n0) or access our global contact directory at [www.motorolasolutions.com/contactus](http://www.motorolasolutions.com/contactus)

## SPECIFICATION SHEET

VC70N0 VEHICLE-MOUNTED MOBILE COMPUTER

# SPECIFICATIONS CHART

### PHYSICAL CHARACTERISTICS

Dimensions	11.5 in. L x 8.9 in. W x 2.4 in. D 291 mm L x 225.4 mm W x 60 mm D
Weight	9.4 lbs./4.3 kg
Construction	Cast aluminum with integrated 3D shock-absorbing mount
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
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
Integrated Dual-function Battery	Provides up to 30 minutes session persistence during forklift battery swap and up to 72 hours RAM backup
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
Display Defroster (optional)	Touch screen heater evaporates external condensation when moving out and in freezers
Interface Ports	Standard sealed and secured connectors: 1 RS-232 serial port with 5V/1.5A 1 RS-232 serial port with 5V/0.5A 2 USB port (host, 5V/1.5A) 1 USB OTG (service) CAN-Bus (J1939) 10/100Mbps Ethernet
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

Integrated Sensors	Motion; humidity; temperature; ambient light; ignition
ESD	±15kV air discharge, ±8kV direct discharge
Vibration	MIL-STD 810G; Method 514.6 – Functional
Mechanical Shock	MIL-STD 810G; Method 516.6, Procedure 1 – Functional
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)
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
Antenna	Internal WLAN diversity antenna; optional external WLAN antenna with diversity; internal Bluetooth antenna
WPAN	Bluetooth Class II, v2.1 EDR, 3 Mb/s Easy pairing/unpairing labels

### VOICE AND AUDIO

Audio	Built-in front-mounted 2W speaker; external 13 watt speaker and external Push-To-Talk microphone
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 VDP clients

### REGULATORY

Electrical Safety	UL/cUL/IEC/EN 60950-1 Indoor use and UL/cUL/IEC/EN 60950-22 Outdoor use
EMI/RFI	<b>North America:</b> FCC Part 15, Class B <b>Canada:</b> ICES 003 Class B <b>EU:</b> EN55022, EN 301 489-1, EN 301 489-17
WLAN/Bluetooth	<b>USA:</b> FCC Part 15.247, 15.407 <b>Canada:</b> RSS-210 <b>EU:</b> EN 300 328, EN 301 893 <b>AU/NZ:</b> AS/NZS 4268
Environmental	RoHS/WEEE compliant
Flammability	IEC UL94-V0

### ACCESSORIES

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

### WARRANTY

Subject to the terms of Motorola'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.motorolasolutions.com/warranty>

### RECOMMENDED SERVICES

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

## 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

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