

# VC80 Vehicle Mount Computer

Get the full windows support you need to put your desktop applications at the fingertips of your vehicle operators

With the VC80, you can give operators in material handling vehicles mobile access to the desktop applications they need to complete tasks faster and more accurately. You get full Windows support in a super rugged design built for your toughest indoor and outdoor environments — from warehouses and distribution centers to airports, seaports, railway yards and more — plus the fastest wireless connections available to keep workers connected to your data and productive. And with its compact design and flexible mounting options, it's easy to install in forklifts, clamp trucks, yard mules, cranes and more. The VC80 — real desktop power to handle your mobile application needs.



## Freezer-ready for the coldest supply chain

You get true frost and condensation free operation with touchscreen, board and battery heaters, plus smart temperature sensors that automatically control heater and heating speed.

## Maximum rugged design

The VC80 is ready for your toughest environments, with dust-and-water tight IP66 sealing, sealed connectors, and extreme temperature, shock and vibration testing.

## Easy to see indoors and outside

Choose either 1,000 NITs for a super bright screen that is easy to see outdoors or 400 NITs for indoor operation.

## Programmable keys to simplify the most complex operations

With six direct and six soft programmable keys, multi-step processes can be executed with one keypress, boosting throughput and productivity.

## Designed for voice in your loudest environments

The very loud front facing speaker and instantly accessible volume control make it easy to hear scanner feedback and app notifications.

## Fits in virtually any warehouse/material handling vehicle

Multiple mounting options, including standard RAM mounts combine with a compact size for an easy fit and easy mounting, even in the smallest vehicles. And a 10-second quick release mount makes it easy to move the VC80 to another vehicle during vehicle maintenance or device repair.

## Flexible data entry — touch or optional keyboard

The touchscreen's soft keyboard and haptic vibration feedback make it easy to use touch input, even with the thickest gloves. Or you can choose to mount an optional keyboard on the bottom or side of the VC80.



**Power to support today's graphics-intensive applications**

Get the power you need to deliver blazing speed for your applications with your choice of a dual core 1.33 GHz with 2GB RAM or a quad core 1.91 GHz processor with 4GB RAM.

**Superior flexibility — add bar code scanning, voice and more**

Different workers need different capabilities. That's why the VC80 offers all the ports you need to add bar code scanners, mobile printers, a push-to-talk microphone and more.

**Rock-solid fast Wi-Fi connectivity**

With support for the latest Wi-Fi standards — 802.11a/b/g/n/ac — plus a choice of internal or external antennas, the VC80 can deliver desktop wired-line style performance on the most complex applications.

**Repairable, right on the spot**

Since the touchscreen — the most frequently damaged component — is field replaceable, trips to the service depot are eliminated, increasing device availability and your return on investment.

**Pair Bluetooth devices in a split second**

Need a separate handheld scanner? With a quick scan of the pairing bar code printed on the VC80 with Zebra's LS3478 or DS3578 handheld or RS507 ring-style cordless scanners, your workers are up and running.

**Comprehensive Windows operating system (OS) support**

The VC80 supports Embedded Standard 7, Windows 7 Professional or Windows 10 IoT Enterprise, making it easy to extend virtually any PC-based app to your material handling vehicles.



# Specifications

## Physical Characteristics

Dimensions	10.4 in. L x 9.3 in. W x 3.5 in. D 265 mm L x 235 mm W x 90 mm D
Weight	8.6 lbs./3.9 kg
Keyboard Options	External QWERTY and AZERTY, optional L-mount
Power	Internal power supply 12-48V nominal, designed for forklift power
UPS and Backup Battery	Rechargeable UPS battery for operation during power loss; internal rechargeable battery for multiple months of real-time clock backup
Display	10.4 in. color XGA (1024 x 768) LCD; 24-bit color depth; choice of 400 or 1,000 NITS; LED backlight
Touchscreen:	Resistive touchscreen with passive stylus or finger operation Freezer version: integrated touchscreen heater evaporates external condensation when moving out of and into freezers
Keys	Six (6) programmable macro keys; keyboard key; volume; brightness; blue key for 2nd level functions; on/off key
Interface Ports	Standard sealed and secured connectors: 2 RS-232 serial ports; 1 standard USB port; 1 powered USB port; 1 3.5 mm audio jack; optional Ethernet (10/100/1000 Mbps) or isolated CAN port with SAE J1939 support
Indicators	Power LED; warning LED; blue key status LED
Scanner Support	Handheld scanners and imagers connected via USB, RS-232 or Bluetooth
Mounting	Quick release mount; standard RAM mounts; adapters for legacy vehicle computer mounts

## Performance Characteristics

CPU and RAM	Windows 7: Intel E3825 Dual Core, 1.33 GHz with 2 GB RAM or Intel E3845 Quad Core, 1.91 GHz with 4 GB RAM Windows 10: Intel E3845 Quad Core, 1.91 GHz with 4 GB RAM
Operating System	Windows Embedded Standard 7, 64 bit; Windows 7 Professional, 64 bit; Windows 10 IoT Enterprise, 64 bit
Mass Storage	mSATA SSD: 32 or 64 GB
Internal Expansion Slots	Two (2) PCIe mini slots (one standard, one optional); one (1) M.2 slot
Additional Software	My-T-Soft configurable on-screen keyboard; Scanner Wedge with code manipulations; Scanner Management Service (SMS)
Optional Software	TekTerm Terminal Emulation (TE) 3270, 5250, VT100, VT220 (pre-loaded and pre-licensed on specific models); TekTerm; Mobile Device Management
Application Development	Standard Windows plus WMI additions

## Wireless Data Communications

WLAN	IEEE 802.11a/b/g/n/ac 2x2 MIMO
WLAN Antennas	Internal or external
WPAN	Bluetooth V2.1 + EDR (Window 7/10) Bluetooth V4.0 Smart Ready (Windows 10 IoT Enterprise)
GPS	Optional with DGPS support

## Voice and Audio

Audio	High volume 87 dBA speaker
Push-to-Talk	External optional speaker/microphone

## 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/REACH compliant
Flammability	IEC UL94-V0

## Accessories

Corded scanners; cordless scanners; antennas; push-to-talk speaker/microphone; keyboards; keyboard mounts; adaptation kits (power cables) for drop in replacements of legacy vehicle mount computer installations; quick release mount; RAM mounts; scanner holder (for a complete list of accessories, visit [www.zebra.com/vc80](http://www.zebra.com/vc80))

## Warranty

Subject to the terms of Zebra's hardware warranty statement, the VC80 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: <https://www.zebra.com/warranty>

## Recommended Services

Zebra OneCare Select

## Markets and Applications

### Industries

- Warehousing
- Distribution
- Transportation and Logistics
- Manufacturing

### Environments

- Freezers
- Outdoor yards
- Airports
- Seaports
- Railway yards

### Applications

- Receiving
- Picking
- Packing
- Shipping
- Replenishment
- Cross-dock
- Work in Process (WIP)

## 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% non-condensing (standard version) 5% to 95% condensing (freezer version with internal heating)
Sealing	IP66
Thermal Shock	-22° to 122° F/-30° to 50° C
Shock/Vibration	IEC 60721-3-5M3; MIL-STD 810G; Method 514.6; MIL-STD 810G; Method 516.6
Salt Fog	48 hours of 5% solution at 35° C
Solar Radiation	MIL STD 810-G, Method 505.5, Procedure I
Integrated Sensors	Motion (accelerometer); temperature; ignition
ESD	±15kV air discharge, ±8kV direct discharge



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