

## Product profile

# CV41

## Vehicle-Mount Computer



- Tight integration with Intermec scanners/imagers, printers, RFID, device management, client software, Medallion® services and support offers the most comprehensive solution for the warehouse
- Ready for voice with Vocollect VoiceCatalyst™ from Intermec
- Includes pre-licensed Intermec Client Pack and integrated keyboard optimized for terminal emulation
- Ideal balance of mounting ease and display readability with 20 cm (8 in) WVGA (800x480) display
- Integrated CAN-BUS vehicle interface supports fleet management applications
- Options include WWAN/GPS, outdoor display and defroster
- On/off ignition sensing and integrated UPS battery with up to 30 minutes operating time
- User-replaceable touchscreen and keyboard assemblies for reduced downtime
- Rugged construction, IP66 sealing, and glove-compatible keyboard spacing

### Maximize Every Minute

To stay ahead in today's highly competitive business environment, warehouse operations managers need to contain costs and gain additional efficiencies wherever possible. The Intermec CV41 vehicle-mount computer provides the ideal balance of operator usability, application performance, and ease of deployment and maintenance—all of which leads to improved forklift operator performance and gives you a true business edge.

The CV41 delivers the freedom and flexibility to work the way you want. It is perfectly-sized for forklift applications, reducing visual obstruction and simplifying installation compared to full-screen devices. It is easy to standardize across your forklift fleet and resilient enough to handle tough distribution center environments. In addition, the CV41 offers the accuracy, productivity, and safety of hands-free voice directed work. In fact, it is the only Windows® CE vehicle-mount computer on the market with Vocollect VoiceCatalyst.

The pace of today's business doesn't allow for any weak links in your operation. Identifying and preventing problems before they happen is paramount. The CV41's exclusive device health reporting capability provides insight to allow mobile workers and IT administrators to monitor and prevent

issues related to scanning, communications and battery life before they impact operations. In addition, the CV41's fully integrated CAN-BUS interface lets you run leading fleet management applications and gain visibility into your forklift investment to maximize its utilization.

In a day where every second counts, the innovative on-off ignition sensing guarantees the CV41 is ready to work the moment your operator turns the key. When your operator needs to switch forklifts, the UPS back-up battery reduces reconnect and reboot time while a unique quick-mount dock design allows for easy, one-hand docking and undocking of the CV41. The touchscreen and keyboard are also designed to be field replaceable, so it is easy to fix damaged or worn items without having to box up and mail in for service.

The CV41 seamlessly integrates with any forklift, any network, any facility, anywhere in the world. Its comprehensive network options include 802.11a/b/g with Cisco® CCXv4 certification and integrated Bluetooth® for best-in-class wireless range, roaming reliability and security—even in areas where you might experience low signal levels or intermittent connections. The CV41 also comes with the option of a Qualcomm Gobi WWAN/GPS wide-area radio for connectivity beyond the four walls of your facility.

**Intermec®**

## Flexible Features

Sped by an efficient 1.6 GHz Intel® Atom Z530 processor, the CV41 features the Microsoft Windows CE 6.0 operating system for application development flexibility. The 20 cm (8 in) WVGA (800x480) LED-backlit display also supports an optional brighter outdoor display.

Built to withstand extreme temperatures, the CV41 operates across -30°C to +50°C (-22°F to +122°F) and also supports an optional touchscreen defroster for cold storage and freezer environments.

## Migration Made Easy

If you currently have Intermec vehicle mount computers in use, the CV41 provides the quickest and easiest migration path to replace aging equipment. Workers will find the CV41 comfortable, familiar and easy to master as the keypad layout is consistent with the entire Intermec mobile computer line. Included with the CV41, the Intermec Client Pack terminal emulation and industrial browser software provides fast, reliable and secure connection to your warehouse management system. In addition, Intermec developer toolkits save you time in migrating your application software and deploying in multi-device environments.

Best of all, the CV41 is just one element of the most comprehensive warehouse logistics solution available from a single company—extending your choices, simplifying IT support and providing you all the services you'll need down the road.

## Physical Characteristics

**Computer H x W x D:** 21.4 x 26.8 x 4.3/6.6 cm (8.4 x 10.6 x 1.7/2.6 in)

**Computer Weight:** 2.1 kg (5.6 lb)

**Dock H x W x D:** 15.5 x 18 x 6.4 cm (6.1 x 7.1 x 2.5 in)

**Dock Weight:** 1.2 kg (3.2 lb)

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## Environmental

**Operating Temperature:** -30° to +50°C (-22° to 122°F)

**Storage Temperature:** -30° to +60°C (-22° to +140°F)

Optional screen defroster recommended for cold storage

**Shock and Vibration Protection:** Withstands standard material handling vehicle environments. Meets or exceeds MIL STD 810F, composite wheeled vehicles.

**Rain & Dust Resistance:** IP66

**Crash:** SAE-J 1455

## Power Supply and UPS

Integrated 10-60 VDC isolated power supply

**Optional external power converters:**

- AC input for 90-240 VAC
- Extended range DC input for 60-150 VDC Integrated Uninterruptible Power Supply (UPS)
- Field-replaceable, rechargeable lithium-Ion, 30 minutes life at -20° C

## Operating System

Microsoft Windows® CE 6.0

## Hardware

**Memory:** 1 GB DDR2 SDRAM

**Mass Storage:** 1 GB flash with user installable expansion slot supporting additional 1-4GB SD card

**Microprocessor:** Intel® Atom Z530 1.6GHz

**Display:** 20 cm (8 in) WVGA 800x480 LED backlit display  
*Standard:*

- 400 NIT indoor display
- Light sensor for automatic brightness adjustment
- Field-replaceable resistive touchscreen, glove compatible

*Optional:*

- 900 NIT outdoor display
- Touchscreen defroster
- Screen blanking

**Keypad:** Backlit 64 key QWERTY keyboard with number pad and 10 function keys, universal keyboard overlay legend supports VT220, 3270, 5250, all keys (except modifiers) mappable

## Software

**Device Management:** Intermec SmartSystems™ support includes ScanNGo provisioning for use alone or with device management software from Intermec ISVs

**Device Health Monitoring:** Onboard diagnostics application; Remote access capability (requires SmartSystem Management option)

**Application Development:** Intermec Developer Library  
[www.intermec.com/dev](http://www.intermec.com/dev)

**Host Connectivity:** Factory loaded Intermec Client Pack with Intermec Terminal Emulation (VT220/ANSI, 5250, 3270) and Intermec Lock-Down Industrial Browser

## Integrated Radios

**Wireless LAN:** 802.11 a/b/g

**Security:** WIFI Certified; WPA and WPA2 Security

**Authentication:** 802.1x

## Asia Pacific

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## Internet

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**Cisco Compatibility:** CCXv4 Certified

**Antenna:** Dual internal antennas or optional dual external antennas

**Optional Gobi 2000™ WWAN/GPS Radio:**

Dual external antennas, Data only, A-GPS included  
**UMTS/HSPA:** 3.75G Release 6, 800, 850, 900, 1900 & 2100 MHz frequency bands, GSM/GPRS/EDGE compatible  
**CDMA:** EV-DO Release A, 800, 1900 MHz frequency bands  
**Bluetooth:** Integrated Bluetooth 2.0+EDR, Class II

## Data Collection Scanner Support

- Tethered serial scanner (+5V powered)
- Tethered USB bar code scanner
- Tethered RFID reader
- Bluetooth

## Voice and Audio Support

- Supports Vocollect VoiceCatalyst with wireless headset
- Supports VoIP and push-to-talk applications from Intermec ISV partners
- Integrated microphone
- Integrated stereo speakers with adjustable volume control

## Interfaces

1 USB 2.0 Host Port, 1 USB 1.1 Client Port, 2 RS-232 COM ports, 1 CAN-BUS port, 1 Headset port, DC power input and ignition input, RF Antenna ports for WiFi (2), WWAN (1) & GPS (1)

## Lifecycle Solutions and Services

Intermec Global Services provides customers and partners with best-in-class lifecycle solutions and services. Get **INcontrol™** with robust integrated device-management solutions. Protect your investment with **Intermec Medallion® Support Services**. For more information about Intermec's lifecycle solutions and services, please visit us at <http://www.intermec.com/services>

## Accessories

Multiple RAM® mount options, screen blanking unit, data and adapter cables, removable antenna kits, bar code scanners (tethered and wireless), printers and media

## Regulatory Approvals and Compliance

**Safety:** UL 60950-1, CSA C22.2 no. 60950-1, EN 60950-1, IEC 60950-1

**Emissions:** FCC Part 15, subpart B, class A; EN 55022, Class A (CISPR22); AS/NZS 3548, Class A (CISPR22); GB9254

**Immunity:** EN 55024:1998 (enhanced: ESD to 8kV direct & 15kV air); GB 9254-2008

**Radio:** FCC Part 15, subpart C; IC RSS210, 102; EN 300 328

**Environmental:** RoHS compliant

## Field Technician Replaceable/Installable Components

- Keyboard
- Touchscreen
- UPS Battery
- Expansion SD card

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