

# CV60

## Vehicle Mount Computer



- **Choice of leading Microsoft® Windows® CE .NET and XP/XPe operating systems**
- **Brilliant 12.1" (30.73cm) TFT touch screen display with direct sunlight viewing option**
- **Powerful Intel™ P-III Ultra Low Power 800 MHz processor**
- **Bluetooth™ accessory support**
- **Cisco Compatible 802.11b/g radio with industry standard wireless security protocols**
- **Integrated Bluetooth wireless scanner support**
- **Extreme temperature option**
- **Versatile ADC Control Center that enables real-time decision-making through integration and management of multiple types of data inputs**

Continuing Intermec's legacy reputation of developing reliable terminals, the CV60 computer excels in the most adverse environments with full PC functionality. The CV60 terminal, either fixed or vehicle mounted, puts wireless supply chain management right where the data is—at the dock, on the warehouse floor, in the trailer or in the yard—for the toughest material handling applications.

The CV60 offers choices of either wired or wireless accessories. By integrating Bluetooth™ technology in the CV60, the user has fewer accessories to install, cables to contend with and tethered wires to get in the way. This eliminates costly cable replacement and improves user satisfaction and supports Intermec's Bluetooth line of printers and hand held bar code scanners.

The modular design allows for the convenient swap-out of hard drives. By integrating dual-diversity antennas, mounting of the CV60 is streamlined. This industry-leading design also provides seamless network connectivity within the Enterprise. This saves time, lowers the cost of overall ownership and permits on-site personnel to upgrade hardware quickly and efficiently.

In addition, a brilliant 12.1" (30.73cm) high resolution TFT SVGA color display simplifies user interaction with touch-screen capabilities and

color graphics. A day-light readable display option is also available to allow easier viewing in direct sunlight.

With a choice of hard drive technologies, the CV60 excels in vehicle-mount environments. A uniquely designed vibration and shock dampening solution is offered for rotating drive applications, as well as an industrial grade solid state solution for the most demanding environments including freezing temperatures. The system can also avoid inadvertent shutdowns and power loss, common to material handling vehicles, with an uninterruptible power supply (UPS).

The cast magnesium housing of the CV60 received an IP65 seal rating. With a heated display option and chemically hardened glass that is 50% thicker than industry standard, the CV60 can withstand harsh environments where dust, moisture or extreme temperatures are a constant. To further protect your investment, the integration of a Gore™ vent prevents internal condensation from occurring at extreme temperatures.

State-of-the-art, industry-standard development tools, such as Microsoft's .NET Compact Framework, Visual C++™, Visual Basic™, Java® and HTML™ can be used with CV60. The CV60 will also accommodate thin, thick or browser-based applications.

With the addition of Intermec's SmartSystems™, the CV60 can be used to remotely manage peripherals such as Bluetooth scanners and RFID, as well as to remotely and easily manage global deployments.

#### Physical Description

With a cast magnesium housing, the CV60 is a rugged computer designed for real time data collection applications, using either a vehicle or stationary mount, in manufacturing, warehousing, distribution, and transportation environments.

#### Physical Characteristics

**Height:** 27.1cm (10.67")

**Width:** 34cm (13.4")

**Depth:** 9.5cm (3.7")

**Weight:** 5 kg (11 lbs.)

#### Environmental

##### Standard Operating Temperature:

-20° to 50° C (-4o to 122o F) – Solid State

0° to 50° C (32o to 122o F) – Rotating

##### Extreme Operating Temperature:

-30° to 50° C (-22o to 122o F) – Solid State HDD (With heated display option)

##### Storage Temperature:

-30° to 70° C (-22o to 158o F)

**Humidity:** 5% to 95% RH Non-condensing

**Shock and Vibration Protection:** Withstands standard material handling vehicle environments. Meets or Exceeds MIL STD 810F

**Rain and Dust Resistance:** Sealed to IP65 (Dust tight and jetted water)

#### Standard Features

**Power:** Choice of two external DC/DC converters 6-60V DC input for 12-60V systems (gas truck)  
15-96 VDC input DC/DC for 60-96V systems (electrical truck)

#### AC/DC Converter

Uninterruptible Power Supply option for unstable power sources

#### Hardware

**Memory:** 256MB SDRAM standard; expandable to 512MB; 512KB Flash

**Microprocessor:** Intel P-III Ultra Low Power 800MHz embedded processor

**Display:** Brilliant 12.1" Color TFT 800 x 600 SVGA; 100 degree viewing angle;

300 NIT; with Heated Option. Sunlight readable (non-heated) option also available

**User Interface:** High resolution, resistive touch panel (field replaceable)

#### Operating Systems

Windows CE .NET 4.2

Windows XP Professional Edition

Windows XP Embedded

#### Hard Drive Options

Solid State drive options for rugged, vehicle / freezer based applications

Shock/Vibration dampening rotating drive option for stationary, standard temperature and select mobile applications

#### Network Connectivity

10BaseT/100BaseT Ethernet

#### Application Connectivity

Supports Terminal Emulation (TE 2000) applications.

Supports standard application environments including Win32 Microsoft Foundation Classes (MFC), Microsoft .NET Framework and Microsoft .NET Compact

#### Cisco Compatible Extensions

Version 2 Supported

LEAP

CKIP

VLAN

#### Integrated Radio Options

##### Wireless LAN

**Data Rates:** Up to 54 Mbps per IEEE 802.11g

##### Standards Compliant:

IEEE 802.11g - 2.4 GHz

IEEE 802.11b (2.4 GHz - DSSS)

**Radio Power:** 100mW typical

**Security:** WEP, WPA2, 802.1x (EAP-TLS, TTLS, LEAP, PEAP)

**Certifications:** Wi-Fi, WPA2, Cisco Certified

**Compliance:** FCC Part 15, CE mark

##### Wireless PAN

Integrated Bluetooth™ compatible module

#### Antenna Options

Integrated diversity antenna options for LAN, Bluetooth and bar code scanner.

Remote patch LAN antenna

#### Data Collection Scanner Support

Tethered serial bar code scanner

Tethered RFID scanner

Integrated Bluetooth radio for wireless accessory support

#### Interfaces

(2) Standard Serial Ports – DB9

(2) USB Host ports v1.1

(1) PS/2 Keyboard Port

(1) Locking Power Input

On / Off Switch

Audio 3.5mm stereo jack

Microphone In / Mono Output (VoIP ready) 2.5mm jack

Internal Speaker / Beeper

#### Accessible Expansion Slots

One 6.4cm (2.5") IDE drive bay

One Solid State type II card Bus slot

\*Bluetooth™ is a trademark owned by the Bluetooth SIG, Inc., USA.



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