

# CV30

Rugged Fixed  
Mount Computer



- **Best-in-class flexibility offers the most versatile set of features and options for fixed mount vehicle and stationary applications**
- **Smallest full-screen footprint**
- **Improves forklift safety by increasing driver visibility**
- **Ideal solution for cross-application deployment**
- **Versatile ADC Control Center that enables real-time decision-making through integration and management of multiple types of data inputs**

The CV30 rugged fixed mount computer provides flexibility and high-performance capabilities in a compact design that delivers real-time wireless supply chain management right where the data is – at the dock, in the freezer, on the warehouse floor, or in the yard. Incorporating the CV30 into your warehousing or manufacturing operation will enhance efficiency, increase safety and improve operator performance and productivity.

#### **Rugged Design**

The CV30 is engineered to withstand the abuse of industrial environments and to satisfy user demands that vehicle mount computers be as durable as forklifts. Its cast magnesium housing, standard heated display and solid state design provides protection exceeding industrial and military standards. The CV30 thrives in harsh environments where dust, moisture or extreme temperatures are constants.

#### **Enhanced Productivity**

The CV30 is the ideal ADC control center, easily managing a range of peripherals and applications, from integrated weigh-scale systems to RFID and speech recognition devices. Designed to mount on virtually any surface, the CV30's touch sensitive display simplifies user interaction and enables faster, more accurate performance.

#### **Increased Safety**

The CV30's compact full-screen footprint improves safety by providing maximum unobstructed visibility for the forklift operator without compromising durability. Its wireless connectivity and support for hands-free data capture maximizes productivity while freeing workers from the need to manage cables.

#### **Seamless Compatibility**

The CV30 allows users to select from Microsoft® Windows® CE.NET or Windows Mobile 5.0® software for Pocket PC. Both operating systems support the use of terminal emulation today as well as migration to browser-based or custom applications in future. With its support for Intermec's Developer Library, the CV30 also provides easy hardware integration.

Intermec's CV30 includes the latest radio technologies for easy integration with multiple wireless environments. Cisco Compatibility (CCX) enables seamless integration onto existing Cisco infrastructures. Industry-standard Wi-Fi® certified 802.11g radio ensures easy connectivity to existing wireless LANs with the latest in RF security protocols. High-speed connectivity provides support for both wired and wireless peripherals, making the CV30 ideal for demanding warehouse and inventory-control applications.

With the addition of Intermec's SmartSystems™, the CV30 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

The CV30 is a rugged fixed mount computer designed for real-time data collection applications in warehousing, distribution, work-in-process, time and attendance and stationary applications.

#### Physical Characteristics

**Height:** 17.65cm (6.95")  
**Width:** 18.92cm (7.45")  
**Depth:** 5.46cm (2.15")  
**Weight:** 1.47 kg (3.25 lbs) (Enclosure constructed of cast magnesium)

#### Environmental

##### Standard Operating Temperature:

-30° to 50° C (-22° to 122° F)

##### Storage Temperature:

-30° to 70° C (-22° to 158° 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 IP66 (Dust tight and high pressure water)

#### Power

Choice of two external DC/DC converters

**Primary:** 6-60 VDC input DC/DC  
15-96 VDC input DC/DC  
AC/DC Converter

#### Memory backup:

Rechargeable Lithium-Ion

#### Hardware

**Memory:** 128MB SDRAM

128MB Disk on Chip Flash Memory for on-board non-volatile storage of applications and data

**Microprocessor:** Intel XScale PXA270 Application Processor, 520 MHz

**Display:** 6.4" (163mm) color VGA 640x480 transmissive TFT LCD unit with replaceable touch panel  
One touch front console user brightness adjustment  
140 degree viewing angle; 350 NIT  
Touch screen heater standard to minimize frost/fog build-up on viewing area

#### Software

##### Operating System Software:

Windows Mobile 5.0 Premium Edition  
Microsoft Windows CE.NET 5.0 Professional

**Network Connectivity:** 10/100 Base-T Ethernet

##### Application Software:

**Terminal Emulation:** Factory loaded TE2000 Terminal Emulation applications

**Development Environments:** Visual Studio 2005, .NET compact Framework (VB, .NET and C#)

**Intermec Developer's Library (IDL):** Integrates with leading development environments; supports device-specific features, bar code scanning, RFID input, printing, communications

**Browser Support:** IE6 compatible (Windows CE)/ IE Mobile (Windows Mobile)

##### Device Management:

**SmartSystems support:** Centralized remote support capability, configures, updates and maintains single devices or entire populations; real-time or batch, wired or wireless.  
Wavelink Avalanche™ with Intermec value added utilities.

#### Integrated Radio

Wireless LAN:

##### Standards Compliant:

IEEE 802.11g (2.4 GHz)

IEEE 802.11b (2.4 GHz)

**Data rates:** Up to 54Mbps for 802.11g ODFM. Up to 11Mbps for 802.11b DSSS

**Radio Power Output:** 100mW maximum

**Security:** WEP, WPA, 802.11x (EAP-TLS, TTLS, LEAP, PEAP), 802.11i

**Certifications:** Wi-Fi, WPA2, Cisco Compatible (CCX)

**Wireless PAN:** Integrated Bluetooth® class II compatible module for wireless

#### Antenna Options

- Integrated diversity antenna options for LAN
- Integrated Bluetooth
- Auto-sense remote patch LAN antenna

#### Data Collection Scanner Support

- Bluetooth
- Tethered serial bar code scanner
- Tethered RFID scanner
- Integrated wireless bar code scanner
- Bar code slot reader

#### Interfaces

- (2) Standard Serial Ports – DB9
- (2) USB Host ports v2.0 – DB15 locking connector
- (1) RJ45 Ethernet port
- (1) Locking Power Input
- On / Off Switch
- Audio 2.5mm stereo jack
- Internal Speaker / Beeper

#### Accessible Expansion Slots

SD Memory Card

#### Accessories

- Backlit (IP66) keyboards for QWERTY, VT220, 5250, 3270 emulation; space constrained for mounting directly to CV30; large style for mounting remotely ideal for gloved hands
- Desktop Kit
- Vehicle Mounting Bracket options
- Wall Mounting Bracket
- Bar code slot reader – sealed, visible or infrared optic
- USB digital I/O relay module – for monitoring and controlling devices (doors, gates, conveyors)
- Single/Dual locking USB cable
- USB locking cable restraint

#### Regulatory Approvals/Compliance

**Safety:** cULus Listed, OSHA 29 CFR 1910.178 / ASME B56.11.6 Compliant, GS, CCC, GOST, NOM, eK, HKSI, SABS, SPRING, prEN ISO 13564

**EMC:** FCC Part 15B – Class B, ICES-003 Class B, EN 55022 Class B, EN 55024, EN 301 489-17, AS/ZNS 3548, GB9254-1998

**Radio:** FCC Part 15.247, Industry Canada RSS 210, EN 300 328-2, Telecom. Num. 547

**Other:** Compliant with all applicable EU Directives – EMC, Low Voltage, R&TTE, Vehicle, WEEE, RoHS, Packaging & Waste Packaging

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