CV30

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.

Intermec®

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:
-20° to 70° C (-4° 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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