ZEBRA VC5090

VEHICLE/FIXED MOUNT MOBILE COMPUTER

ENGINEERED TO MAXIMIZE PRODUCTIVITY IN THE HARSHEST ENTERPRISE ENVIRONMENTS

The VC5090 Vehicle/Fixed-Mount Mobile Computer from Zebra combines rugged construction and high performance wireless networking to enable real-time data access and collection in the harshest environments — from the loading dock and freezer to the warehouse floor. Whether your workers are on a forklift, at a fixed station or moving through the warehouse aisles, the VC5090 provides the tools needed to increase productivity and reduce errors in shipping and receiving, as well as put-away and picking applications. The results are improved decision making, streamlining of warehouse operations — and a positive impact on your bottom line.

MAXIMUM DURABILITY AND RELIABILITY

With industrial and military grade specifications for vibration, shock, temperature and sealing, the VC5090 delivers maximum durability in the toughest environments. From the subzero temperatures in a freezer to the repetitive pounding and vibrations of forklift operations, the VC5090 delivers reliable year after year performance, protecting your investment and delivering the uptime needed to keep your business moving.

SUPPORT NEXT-GENERATION APPLICATIONS

The VC5090 offers the high performance and robust functionality needed to support innovative rich browser-based and custom Windows CE mobile applications as well as terminal emulation applications. The fully featured device is equipped with the functionality to streamline supply chain management through seamless connectivity to virtually any wireless LAN through 802.11a/b/g, wireless scanning and printing via Bluetooth, support for voice-picking, and Voice-over- IP via a push-to-talk handset. In addition, the RFID-ready VC5090 can be integrated with vehicle mounted RFID reader solutions. The sharp high-resolution screen is easy to view in any warehouse environment. The touchscreen enables easy data input with gloved hands. And the familiar easy-to-use Windows CE platform provides compatibility with many of today's mobile applications.

REDUCE THE COST AND COMPLEXITY OF MOBILITY

The VC5090 delivers even greater value as part of Zebra's leading rugged mobile computer line. The shared hardware and software architecture enable the VC5090 to integrate seamlessly into your existing Zebra infrastructure. Applications developed for other Zebra rugged mobile computers can be easily ported to the VC5090, dramatically reducing software development and training requirements, and increasing the return on investment for existing applications. Adding Zebra's Mobility Services Platform (MSP) enables you to quickly and easily deploy, provision, track and support all your VC5090 devices, anywhere in the world, from a central location — delivering an unprecedented level of simplicity and low cost to managing mobile devices. To help protect your investment, Zebra offers Service from the Start with Comprehensive Coverage. This unique offering covers normal wear and tear, as well as accidental damage to displays, touchscreens, keyboards and more at no extra charge — virtually eliminating your unforeseen repair expenses.

FEATURES

Common Zebra architecture with Intel XScale® PXA270 @ 624 MHz and Windows CE 5.0 Professional

Easily leverage applications developed for other Zebra rugged mobile computers; support for a wide range of applications, realtime processing and data storage needs

Integrated 802.11a/b/g WLAN

Seamless integration with your existing WLAN for powerful realtime data visibility

Rugged construction: IP66-sealed aluminum housing and MIL-STD-810F military rating

Designed to withstand the most extreme environments, protects your investment; dramatically reduces downtime and repair costs

Eligible for Service from the Start with Comprehensive Coverage Contract ext

Contract extends normal wear and tear to cover accidental damage to displays, touchscreens and internal components; reduces repair costs

Integrated filtered power supply

Same configuration for installation on any forklift regardless of engine type and battery size

Operates in Extreme Cold

For more information on how the VC5090 can benefit your business, please visit us on the web at **www.zebra.com/vc5090** or access our global contact directory at **www.zebra.com/contact**

Reliable operation in freezer/cold store/outdoor environments as low as -22° F/-30° C with and without optional display defroster

MSP compatible
Easy and cost-effective centralized remote management

Internal antennas and support for external antenna
Ensures robust wireless connectivity, even in challenging environments

WPAN: Bluetooth v1.2
Support for wireless printing and cordless scanning

SPECIFICATIONS CHART

PHYSICAL CHARACTERISTICS

Dimensions	Full screen: 10.6 in. L x 12.2 in. W x 4.5 in. D 26.9 cm L x 30.9 cm W x 11.4 cm D Half screen: 11.28 in. L x 12.2 in. W x 5.04 in. D 28.65 cm L x 30.9 cm W x 12.8 cm D
Weight (w/o cable)	Full screen: 14.5 lbs./6.85kg; Half-screen: 16.31 lbs./7.4kg
External Keyboard	QWERTY or AZERTY, 65-key with tactile feedback and audible key beep; heated and sealed; function keys F1-F24
Quick Access Keypad	User programmable
Display	Full screen: Color 12.1 in. SVGA 800x600 Half screen: Color 10.5 in. half-SVGA 800x320 Both come standard, 350NIT, 500:1 contrast displays with resistive touchscreens
Display Defroster (optional)	Touch screen heater evaporates external condensation when moving out and in freezers
Power Supply	Internal wide range power supply (10-96 VDC); reverse polarity protected; connects directly to vehicle battery. Single configuration for any forklift regardless of engine type and battery size
Internal UPS Battery (optional)	Prevents device resets in poor power environments; minimum 30min. operation typical based on user profile
Backup Battery	NiMH battery; 72 hour (min.) RAM/real-time clock retention
Interface Ports	Two RS-232 serial ports which also supply power to peripherals; keyboard/USB port; USB port (host or client); power input
Audio Port	Supports VoIP Team Express with remote speaker/mic with PTT

PERFORMANCE CHARACTERISTICS

CPU	Intel XScale PXA270 processor at 624 MHz
Operating System	Microsoft Windows CE 5.0 Professional
Memory (RAM/ROM)	128MB SDRAM/192MB Flash (RoHS compliant)
Expansion	SD Memory Card
Terminal Emulation	Wavelink 3270, 5250, VT100, VT220 pre-loaded and pre-licensed
Additional Tested Software	Citrix client, Windows CE Remote Desktop
Application Development	Zebra's Enterprise Mobility Developer's Kit (EMDK)

WIRELESS DATA COMMUNICATIONS

WLAN	IEEE 802.11a/b/g*
Antenna	Two internal diversity antennas; external antenna connector
Security Protocol	WPA - Enterprise; Wi-Fi IEEE 802.11 a/b/g/d/h/j Certified; Encryption - TKIP, 40/128 bit WEP; rich set of WPAEnterprise 802.1x security supplicants; CCX V1 Compatible; WPA2 and full CCX support
WPAN	Bluetooth 1.2

REGULATORY

EMC	FCC Part 15B, ICES-003 Class B., EN 55022, EN 301 489-1 & 17
RF	FCC Part 15.247, 15.205, 15.209, 15.203, 15.407, 15.207, EN 300 328, EN 301 893, RSS-210, ARIB STD-66 & 33, T70 & T71
Safety	UL 60950-1, CSA C22.2 No. 60950-1, EN 60950- 1, IEC 60950-1

* NOTE: 802.11a is not available in this product in Thailand.

handset, voice picking headset and external speakers

USER ENVIRONMENT

Operating Temp.	-22° to 122° F/-30° to 50° C
Storage Temp.	-40° to 158° F/-40° to 70° C
Humidity	5% to 95% condensing at -22° to 122° F/-30° to 50° C
Environmental sealing	IP66
ESD	20kv air, 8kv contact

ZEBRA

ZEBRA TECHNOLOGIES