

Phoenix 104e

Vehicle and Forklift Computer



Features Highlights

- * Compact and powerful !
- * 520 MHz PXA270 processor
- * Windows Embedded CE 6.0 R3
- * 10.4" 430 nit color display
- * Anti-glare touch screen
- * Cisco compatible 802.11g radio
- * Bluetooth 2.0 radio
- * Temperature rated: -30° to +60°C
- * IP65 Sealing
- * Browser & Terminal Emulation
- * Dual high volume speakers
- * Variety of peripheral connectivity

Targeted Applications

- * Warehouse Management
(includes cold and harsh environments)
(Terminal Emulation to ERP)
- * Transportation Management
- * Yard Management
- * Port Management



General Description

The Phoenix 104e is a Windows CE 6.0 R3 rugged vehicle and forklift computer that provides high performance power in a compact and ergonomic form with maximum flexibility and durability in a range of extreme environments. In the warehouse, the yard, the freezer, or on the road, the Phoenix 104e provides the computing power and the communication functions to meet the requirements of today's demanding applications.

Detail Features

IP 65 Protection: Cast aluminum IP 65 sealed case provides for the driest to the wettest environments. Easy to install because no covers, gaskets, or special cables are required for installation.

Internal Power Supply: 10V - 60V internal isolated power supply with integrated power loss detection and battery backup for protection against data loss. No need for an external pre-regulator thereby reducing costs and facilitating the ease of installation.

Superior Connectivity: Attach peripherals through a variety of ports that includes Bluetooth v2.0, two power integrated RS-232 ports, Ethernet port 10/100Mb, and dual USB ports. Easily connect laser scanners, RFID, external keyboard, printer and many more. High performance Summit 802.11 b/g radio allows for wireless connectivity to the existing enterprise network infra-structure.

Display and Touch Screen: A 10.4 TFT active matrix display provides for a crisp, bright and colorful display even in bright lighting. It also includes a resistive touch panel with anti glare coating.

Legacy Applications: Terminal emulation is supported so that legacy terminal applications can be accessed and utilized.

High Volume Sound: Dual high volume speakers are included to support the user in the noisiest of environments.

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Phoenix 104e - Technical Specifications

Processor & Memory

Marvel PXA270 - 520MHz
128MB SDRAM
128MB FLASH
Compact Flash or SD Flash up to 32 GB
Real Time Clock with battery backup

System Software

Windows Embedded CE 6.0 R3



Display & Touch Screen

10.4" TFT Active Matrix Color
640 x 480 VGA
Brightness: 430 cd/m² (nit)
Front Panel adjustable
Contrast Ratio: 500:1
Resistive Touch Panel with anti glare coating

Power Supply

10V-60VDC internal fully isolated power supply
3m power cable
Front panel power switch with power LED
Internal backup battery for power loss prevention with data and real time clock backup

Interfaces

- (2) RS-232 Ports (D9M) with selectable power (5V or 12V up to 1 amp maximum)
- (1) USB host port
- (1) USB selectable host/slave.
- (1) Ethernet Port 10/100 Mb
- (2) internal speakers capable of over 90 db, volume front panel adjustable

Keypad

Power On/OFF key with Power LED
Up and Down keys allow control of backlight brightness and speaker volume.

Radios

- Summit 802.11b/g CF Card or a/b/g CF Card
- WiFi and Cisco CCXv4 certified
 - Integrated Supplicant
 - Choice of internal or external dual diversity antennas



Bluetooth V 2.0, Integrated, internal or external antenna

Enclosure

Cast Aluminum with durable powder coating
Size: (no mount, no antenna)
10.7" x 9.2" x 2.0" (2.6" at connectors)
27.3 cm x 23.4 cm x 5.2 cm (6.6 cm at connectors)

Mounting options

Bracket Mount
RAM© Mount System
VESA mounting system, 75mm

Weight

5.5 lbs, not including mount

Environmental

Operating Temperature Range

- -30°C to +60°C
- Startup as low as -20°C

Storage Temperature

- -30°C to +70°C

Humidity

- 5% to 100% RH

IP65 sealing
Shock and vibration testing meets MIL STD 810F

Regulatory

Emissions (EMI)
FCC Part 15 Subpart B, Class A

Immunity (EMC)
EN 55024:1998

802.11 radio separately approved to FCC Part 15, Subpart C

Accessories

External keyboards NEMA4, 84 key with integrated mouse
Keyboard mounting bracket
Remote Antenna kit (6' cable)
CF and SD Memory Cards
AC/DC Power Supply for wall mount applications

Expansion (under top covers)

- (1) Compact Flash Type I/II (not available if 802.11 radio installed)
- (1) SD Memory / IO



Rugged Computers Built for YOUR Environment

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