

PPC-E7



Cirrus ARM9 EP9307 200Mhz Fanless Low Power Processor

MaverickCrunch Hardware Floating Point Math Coprocessor

Inexpensive Open-Frame Design

10/100BaseT Ethernet with on-board PHY

3 Serial ports with handshake

3 USB 2.0 (Full Speed) Host ports

Up to 128 MB of SDRAM

Up to 64 MB of Flash

128K Bytes of Serial Flash

Battery backed Real Time Clock

SD/MMC Flash Card Interface

1 SPI port

1 I2S Audio port with Line-In/Line-Out

Timer/Counters and Pulse Width Modulation (PWM) ports

4 Channel 12-bit Analog-to-Digital converter

Graphic LCD Interface with 2D acceleration

WVGA (800 x 480) Resolution with LED Backlight

Touchscreen Interface and Software Controlled Backlight On/Off & Brightness

JTAG for debug, including real-time trace

FREE Eclipse IDE with GCC & GDB development tools

WinCE 6.0 BSP and SDK available

Setting up a Panel PC can be a Puzzling experience. However, when purchased with an Operating System and flash disk, the PPC-E7 Compact Panel PC comes ready to run. Apply power and watch either the Linux X Windows or the Windows CE User Interface appear on the vivid color LCD. Interact with the PPC-E7 using the responsive integrated touchscreen. Everything works out of the box, allowing you to concentrate on your application, rather than building and configuring device drivers. Just Write-It and Run-It.

Specifications

Panel PC type:

Open Frame PPC

Processor

Processor:

Embedded Cirrus EP9307 with Hardware Floating Point Math Engine

Clock Speed:

200 MHz

Real Time Clock:

Memory

RAM type:

100 Mhz SDRAM

Memory Misc.:

Flash Disk: SPI serial HCSD/MMC interface

System Reset: Supervisor with external Reset Button provision.

SSD: SPI serial HCSD/MMC interface up to 8+ GB Flash Disk

Primary I/O

GPIO:

22x Programmable 3.3V I/O lines

Video Out:

2D Accelerated Video Interface

Audio:

I2S Synchronous Serial Controller with analog interface support

USB:

3x USB 2.0

Serial Ports:

2x RS-232 with handshaking

1x RS-232/422/485 with Auto RS485

high-speed SPI with chip selects

Watchdog:

Primary I/O Misc.:

Ethernet MAC: Built-In

Ethernet PHY: Intel/Cortina LXT927ALC with software PHY shutdown control

Ethernet Type: 10/100 Base-T Ethernet

Ethernet Interface: On-Board RJ-45 connector

Touchscreen

Type: 4 Wire Analog Resistive

Resolution: Continuous

Controller: Built-In

Driver: WinCE, Linux

Durability: Over one million touches

Secondary I/O
Timers/ Counters/ PWM:

2x general purpose 16-bit

1x 32-bit timer

2x 16-bit PWMs

LPT Port:

Keypad:

PS/2:

Touch:

12-Bit, 4 wire analog resistive Touchscreen

Expansion
Bus:

provision for PCD-E12 I/O module

Analog
A/D:

A/D Channels:

4

A/D Resolution:

12-bit

D/A:

Dimensions
Dimensions:

7.55 × 4.15 × 1.5 in

Weight:

1.06 lb

Power Requirements

Typical Current:

200 mA

Typical Voltage:

24 V

Power Misc.:

Power Supply Voltage: +12 to +26 Vdc

Environmental

Low Operating Temperature:

0 C

High Operating Temperature:

50 C

Pricing

Product Variations:

PPC-E7-0300

COMPACT PPC W/TOUCHSCREEN 64M FLASH/RAM

\$525.00

Parent Product:

PPC-E7-0200

COMPACT PPC W/TOUCHSCREEN 32M FLASH/RAM (NCNR) (25 piece minimum order)

\$495.00

Parent Product:

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