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PPC-E7+ [9G45]

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PPC-E7+ [3354]
EMAC OEM

ARM9 400Mhz Fanless Low Power Processor

Inexpensive Open-Frame Design

10/100BaseT Ethernet with on-board PHY

3 RS232 & 1 RS232/422/485 Port

1 USB 2.0 (High Speed) Host port

1 USB 2.0 (High Speed) OTG port

Up to 256MB of SDRAM

Up to 1GB of NAND Flash

Up to 4MB of Serial Flash

Battery backed Real Time Clock

2 SD/MMC Flash Card Sockets

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

Timer/Counters and Pulse Width Modulation (PWM) ports

4 Channel 10-bit Analog-to-Digital converter

Operating Voltage of 12 to 26 Vdc.

Graphic LCD Interface with optional 2D acceleration & hardware CODECs

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

Android Available

Setting up a Panel PC can be a Puzzling experience. However, the PPC-E7+ Compact Panel PC comes ready to run with the Operating System installed on flash disk. Apply power and watch the Linux X Windows 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:
Fanless ARM9
Clock Speed:
400 MHz
Real Time Clock:

Memory

RAM Type:
external DDR2/ SDRAM
Primary Flash:
256MB of NAND Flash
Secondary Flash:
4MB of serial data flash
Memory Misc.:
Flash Option: 1GB NAND Flash w/ SoM-9M10

RAM Option: 256 MB w/ SoM-9M10

Flash Disk: 2 MicroSD card sockets.

System Reset: Supervisor with external Reset Button provision.

SSD:SDIO SDHC/MMC interface up to 32+ GB Flash Disk

Primary I/O

GPIO:
16x programmable 3.3V I/O lines
Video Out:
2D Accelerated Video Interface (optional w/ 9M10)
Audio:
I2S Synchronous Serial Controller with Line In/Out
Ethernet:
1 x 10/100 BaseT Ethernet Port with on-board PHY
USB:
1x USB 2.0 Host
1x USB 2.0 OTG Host/Device
Serial Ports:
3x RS-232 with handshaking
1x RS-232/422/485 with Auto RS485
high-speed SPI with chip selects
I2C
Watchdog:
Primary I/O Misc.:

Touchscreen

Type: 4 Wire Analog Resistive

Resolution: Continuous

Controller: Built-In

Driver: Linux

Durability: Over one million touches

Secondary I/O

Timers/ Counters/ PWM:
6x general purpose 16-bit Timers, & Counter/PWM
LPT Port:
Keypad:
PS/2:
Touch:
10-Bit, 4 wire analog resistive Touchscreen

Expansion

Bus:
provison for PCD-E12 I/O module

Analog

A/D:
A/D Channels:
4
A/D Resolution:
10-bit
D/A:

Dimensions

Dimensions:
7.55 × 4.15 × 1.5 in
Weight:
1.06 lb

Power Requirements

Typical Current:
500 mA
Typical Voltage:
12 V
Power Misc.:
Power Supply Voltage: +12 to +28 VDC.

APM Sleep: ~130mA @ 12V

Environmental

Low Operating Temperature:
0 C
High Operating Temperature:
60 C

Pricing

Product Variations:
PPC-E7+0100
COMPACT PPC W/TOUCHSCREEN & SOM-9G45 256MB FLASH 128MB RAM
$550.00
Parent Product:

PPC-E7+0200
COMPACT PPC W/TOUCHSCREEN & SOM-9M10 1GB FLASH 256MB RAM (NCNR)
$0.00
Parent Product:

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