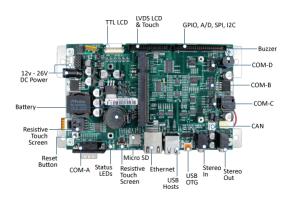


Published on EMAC Inc. (https://www.emacinc.com)

Source URL: https://www.emacinc.com/content/ppc-e10

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TI ARM Cortex A8 600 Mhz Fanless Low Power Processor

Inexpensive Open-Frame Design

1x 10/100BaseT Ethernet with on-board PHY

3x RS232 & 1x RS232/422/485 Port

2x USB 2.0 (High Speed) Host port

1x USB 2.0 (High Speed) OTG port

256MB of DDR2 SDRAM

2GB eMMC Flash

512MB NAND Flash

1x CAN 2.0B Controller

Battery backed Real Time Clock

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

Timer/Counters and Pulse Width Modulation (PWM) ports

4x Channel 10-bit Analog-to-Digital converter

Operating Voltage of 12 to 28 Vdc.

Graphic LCD Interface with optional 2D acceleration & Hardware CODECs

WSVGA (1024x600) Resolution with LED Backlight

Analog Resistive Touchscreen 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-E10 Compact Panel PC comes ready to run with the Operating System installed on flash disk. Apply power and watch either the Linux X Windows or the User Interface appear on the vivid color LCD. Interact with the PPC-E10 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 Paner FC Type.

Onan Erama PPC

Processor Processor.

TI ARM Cortex A8 based Processor AM3354

Clock Speed:

1 GHz

Real Time Clock:

Memory Rawi Type.

DDR3L SDRAM

Primary Flash:

4GB eMMC Flash

Secondary Flash:

16MB serial data flash/SDIO SDHC/MMC interface up to 32+ GB Flash Disk

Memory Misc.:

System Reset: Supervisor with external Reset Button provision.

Primary I/O Gг10.

16x programmable 3.3V I/O lines

Video Out:

2D Accelerated Video & Decoder

1x I2S Synchronous Serial Controller with Line In/Out

Ethernet:

Audio:

1x 10/100/1000 BaseT Ethernet

USB:

2x USB High Speed Host

1x USB High Speed OTG

Serial Ports:

3x RS-232 with handshake

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

high-speed SPI with chip selects

I2C Watchdog:

Primary I/O Misc.:

Wireless 802.11 b/g/n; Bluegiga [WF111-E]

Secondary I/O

CAN 2.0B Controller	
LPT Port:	
Keypad:	
PS/2:	
Touch:	
12-Bit 4-wire Analog Resistive Touch Screen	
Analog on A. D.	
A/D Channels:	
4	
A/D Resolution:	
12-bit	
D/A:	
Dimensions Dimensions.	
5.76×10.25 in	
Power Requirements Typical voilage.	
12 V	
Power Misc.:	
Power Supply Voltage: +12 to +28 Vdc.	
Typical current draw at 24V: 250 mA	
Environmental Low Operating Temperature:	
0 C	
High Operating Temperature:	
50 C	
Environmental Misc.:	
*Note: Operating temperature limited by LCD	
Pricing Product variations:	
PPC-10-3354-1R	
10" Open Frame Panel PC w/ Touchscreen, SoM-250GS & SoM-3354M. AM3354 1GHz, 512MB RAM, 4GB eMMC Fl	ash 4x COM 3x
USB2, 10/100 LAN, WIFI, 10" LCD	usii, in 00111, 31
\$515.00	
Disk Interface:	
Micro-SD Card Slot	