

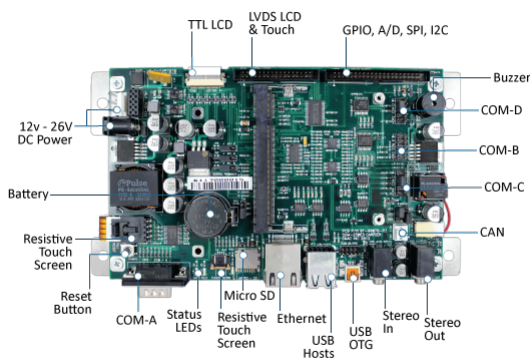
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PPC-E10

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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 —

Panel PC Type:

Open Frame PPC

Processor

Processor:

TI ARM Cortex A8 based Processor AM3354

Clock Speed:

1 GHz

Real Time Clock:

Memory

RAM 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

GPIO:

16x programmable 3.3V I/O lines

Video Out:

2D Accelerated Video & Decoder

Audio:

1x I2S Synchronous Serial Controller with Line In/Out

Ethernet:

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:

CAN 2.0B Controller

LPT Port:**Keypad:****PS/2:****Touch:**

12-Bit 4-wire Analog Resistive Touch Screen

Expansion

— Analog —

A/D:

A/D Channels:

4

A/D Resolution:

12-bit

D/A:

— Dimensions —

Dimensions:

5.76 × 10.25 in

— Power Requirements —

Typical Voltage:

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 Flash, 4x COM, 3x USB2, 10/100 LAN, WIFI, 10" LCD

\$515.00

Disk Interface:

Micro-SD Card Slot

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