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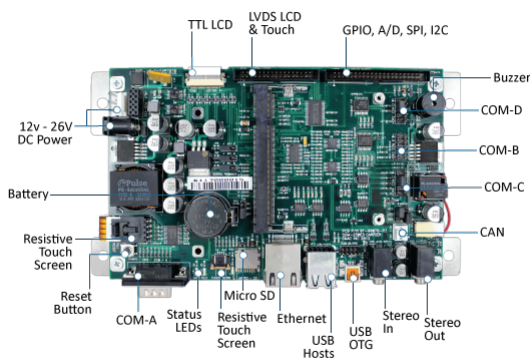
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## PPC-E10

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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 —

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## 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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