

PPC-07-3354 ARM 7" Open Frame Panel PC

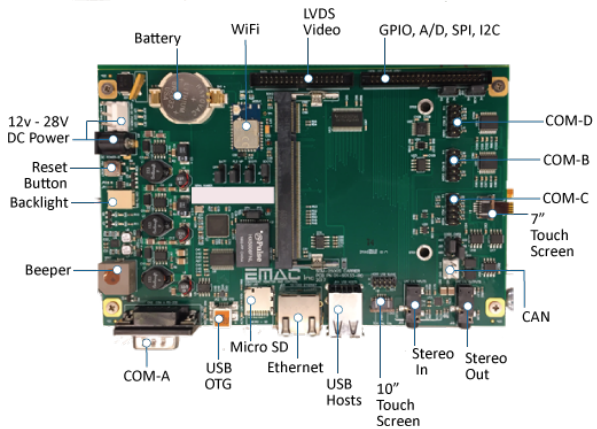
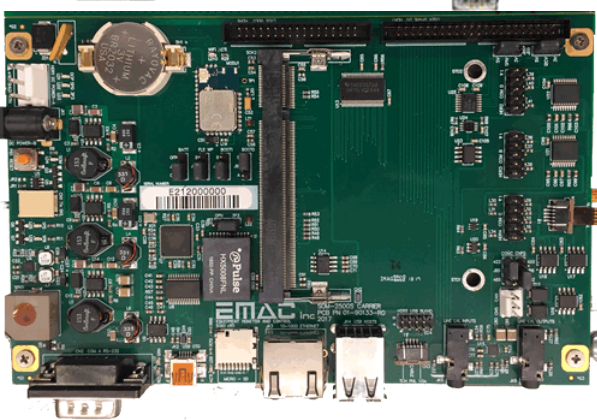
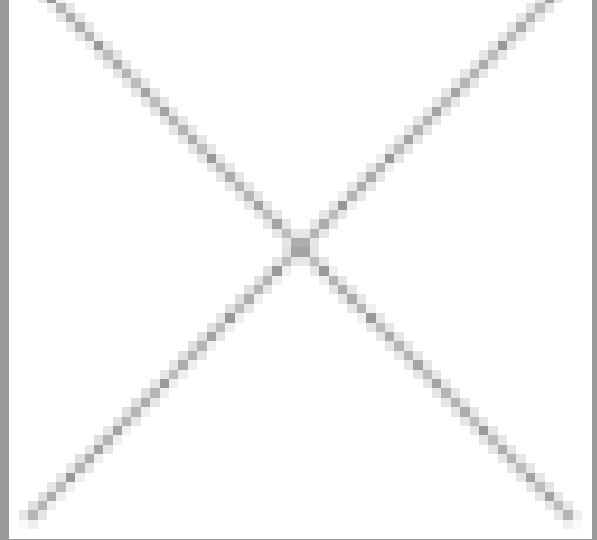


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Texas Instruments AM 3354 1.0GHz ARM Cortex A8 based Processor

Up to 512MB DDR3L of SDRAM

4GB of eMMC Flash

16MB serial data flash

Inexpensive Open-Frame Design

10/100 BaseT Ethernet with on-board PHY

Wireless 802.11 b/g/n; Bluegiga [WF111-E] onboard (WiFi Antenna and Cable Optional)

Bluetooth (optional)

3 RS232 & 1 RS232/422/485 Port

2 USB 2.0 (High Speed) Host port

1 USB 2.0 (High Speed) OTG port

Battery backed Real Time Clock

1 Micro-SD Flash Card Socket

1 I2S Audio port with Stereo 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 28 Vdc.

Graphic LCD Interface with optional 2D acceleration & hardware CODECs

WVGA (800 x 480) Resolution with LED Backlight

LVDS Touch Screen Interface and Software Controlled Backlight On/Off & Brightness

Luminance (800 Nits)

JTAG for debug, including real-time trace

Android Available

The PPC-07-3354 is an out of the box Compact Panel PC solution. This system comes ready to run with the Operating System installed on the on-board flash. Apply power and watch either the Linux X Windows or Linux Qt User Interface appear on the vivid color LCD. Interact with the PPC-07-3354 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. Use EMAC's Qt development tools to quickly develop and debug your HMI application, setup an M2M network, connect some IOT devices and/or configure the Digital inputs and outputs to provide and receive information to other devices. Then have the ability to access and control the system both locally and anywhere in the world via the internet.

Specifications
Panel PC type:

Open Frame PPC
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

Primary I/O
GPIO:

16x programmable 3.3V I/O lines

Video Out:

2D/3D Accelerated Video Interface

Audio:

I2S Synchronous Serial Controller with Line In/Out

Ethernet:

1x 10/100 BaseT Ethernet

USB:

2x 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.:

Touch Screen

Type: 4-Wire Analog Resistive

Resolution: Continuous

Controller: Built-In

Driver:	Linux
Luminance:	800 Nits
Durability:	Over one million touches
Wireless 802.11 b/g/n; Bluegiga [WF111-E] (WiFi antenna and cable are optional)	
Bluetooth	Optional
Secondary I/O	
CAN:	1x CAN 2.0B Port
LPT Port:	
Keypad:	
PS/2:	
Touch:	12-Bit 4-wire Analog Resistive Touch Screen
Analog on A/D:	
A/D Channels:	8
A/D Resolution:	12-bit
D/A:	
Analog Misc.:	
Analog I/O:	8x A/D Channels with 12-bit A/D Converter - 4 Channels are utilized for the 4-wire resistive touchscreen interface
Dimensions	
Dimensions:	7.55 × 4.15 × 1.5 in
Weight:	
	1.06 lb
Power Requirements	
Voltage:	12 V
Power Misc.:	
Power Supply Voltage:	+12 to +28 VDC.
APM Sleep:	~130mA @ 12V
Typical Running Current Consumption:	7W
Environmental	
Low Operating Temperature:	-20 C
High Operating Temperature:	70 C
Environmental Misc.:	

*Note: Operating temperature limited by LCD

Pricing
Product variations:

PPC-07-3354-1R

7" Open Frame Panel PC w/ Touchscreen, SoM-250GS-000 & SoM-3354M-140. AM3354 1GHz, 512MB RAM, 4GB eMMC Flash, 4x COM, 3x USB2, 10/100 LAN, WIFI, 7" LCD

\$550.00

Order:

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Parent Product:

Disk Interface:

Micro-SD Card Slot

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