



## Features

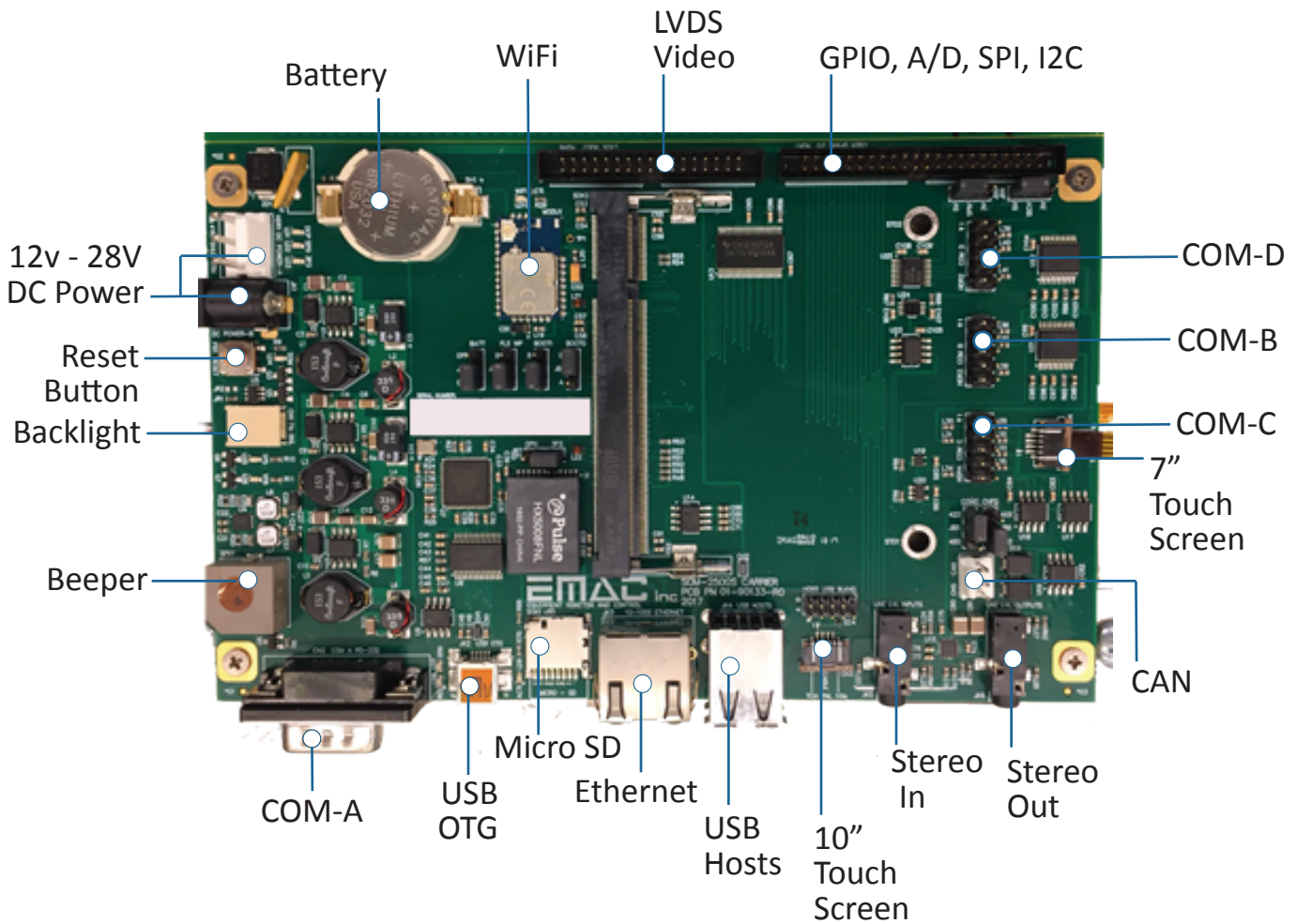
- Texas Instruments AM3354 ARM Cortex A8 1GHz
- 512MB DDR3L of SDRAM
- 4GB eMMC Flash, 16MB of Serial Data Flash
- 1x 10/100 BaseT Ethernet, POE (Optional)
- 16x GPIO, 1x SPI, 1x I2C, 1x CAN, PWM
- 3x USB 2.0 Ports
- 4x Serial Ports
- WVGA Resolution LCD with LED Backlight
- 4-Wire Resistive Touch Screen
- Inexpensive Open-Frame Design
- WiFi 802.11 b/g/n



## Specifications

Processor	Texas Instruments AM3354 ARM Cortex A8 1 GHz
Memory	512MB DDR3L SDRAM 4GB eMMC Flash 16MB of Serial Data Flash 1x Micro-SD Flash Card Socket
I/O	16x General Purpose I/O 1x I2S Audio port with Stereo Line-In/Line-Out 1x 10/100 BaseT Ethernet with on-board PHY 2x USB 2.0 High Speed Host Port 1x USB 2.0 High Speed OTG Port 3x RS232 & 1x RS232/422/485 Port Battery backed Real Time Clock Timer/Counters and Pulse Width Modulation (PWM) 1x I2C Port Timer/Counters/PWM
Video	WVGA (800 x 480) Resolution with LED Backlight (800 Nits) Graphic LCD Interface with Touch Screen Software Controlled Backlight On/Off & Brightness
Analog	4x A/D Channels with 12-bit A/D Converter
Wireless	WiFi 802.11 b/g/n
Bus Expansion	Local ARM9
OS	EMAC OE Embedded Linux
Dimensions	7.55" x 4.15" x 1.15" (191mm x 105mm)
Power Req.	12V (+12 to +28 V DC) Typical Running Current Consumption 7W
Environment	-20° to +70° C *Note: Temperature limited by LCD





## Ordering Information

PRODUCT #	CPU	MEMORY	SERIAL	GPIO	USB	VIDEO	CONNECTIVITY	TEMPERATURE
PPC-E70-3354-10	Texas Instruments AM3354 ARM Cortex A8 1 GHz	512MB DDR3 SDRAM 4GB eMMC FLASH 16GB Serial Data Flash	4x	16x	2x Host 1x OTG	WVGA (800x480) LCD Graphic Touch Screen	10/100BaseT Ethernet PHY WiFi 802.11 b/g/n	-20° to +70° C

## Optional Accessories

PRODUCT #	POWER SUPPLY
PER-PWR-00035	12V @ 2.1A Wall Power Supply (110 V @ 60 HZ US)
PER-PWR-00075	12V @ 2.1A, 90-264V @ 47-63Hz input, Universal power prongs for worldwide use, 2.1mm Barrel
PER-PWR-00090	12V @ 2.5A Desktop Power Supply, standard IEC 320-C14 input connector, 2.1mm barrel jack output

PRODUCT #	CABLES
CAB-40-004	DUAL USB Bracket w/6" Cable
CAB-35-003	6' DB9 to DB9 Null Modem Extension Cable

