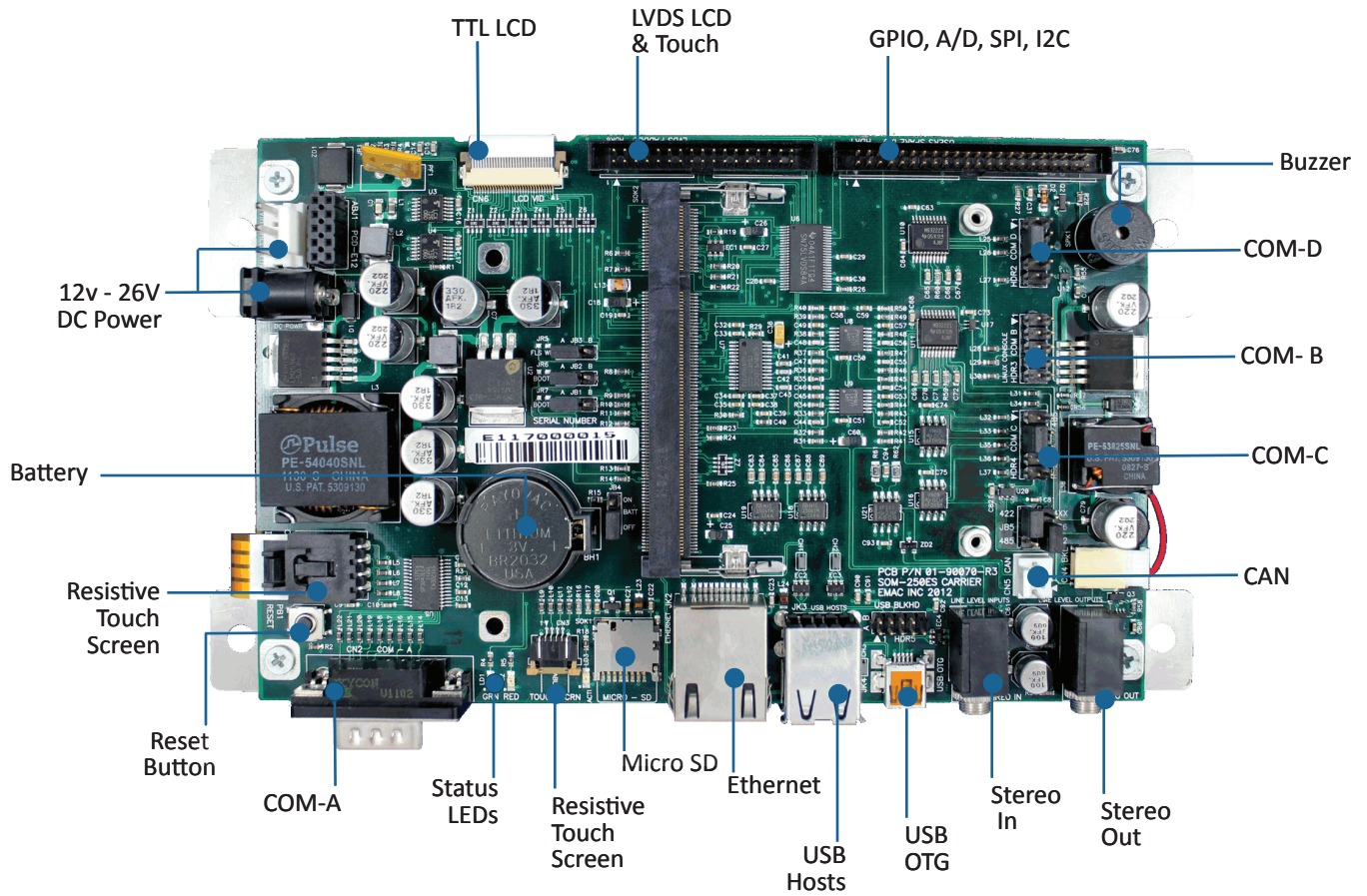# SoM-250ES

Features

- 4x Serial Ports (3x RS232 & 1xRS232/422/485)
- 32x SoM Specific I/O Lines
- 10/100 BaseT Ethernet with Status LEDs
- Graphic LCD with TTL & LVDS Interfaces
- Resistive Touch Screen Interface
- 2x USB Host & 1x USB OTG Port
- I2S Audio Port with Line-In/Line-Out

Specifications

Compatibility	EMAC 200-pin SODIMM socket
I/O	4x Serial Ports (3x RS232 & 1xRS232/422/485)
	1x CAN 2.0B Port
	32x SoM Specific I/O lines (GPIO, A/D, SPI, I2C)
	Battery for nonvolatile RAM and Real Time Clock
	2x USB 2.0 High Speed Host port
	1x USB 2.0 High Speed OTG port
	10/100 BaseT Ethernet with Status LEDs
	System Reset button
Analog	4x Channels A/D
	1x I2S Audio port with Line-In/Line-Out
Video	7" TFT Color LCD, 800 x 480 WVGA @ 256K Colors
	330 (cd/m²), Durability - Over one million touches
	10" TFT LVDS Color LCD, 1024 x 600 WSVGA @ 256K Colors
	250 (cd/m²), Durability - Over one million touches
	Backlight Brightness Control
	4-Wire Analog Resistive Touch Screen
Dimensions	7.55" ×4.15" (191mm × 105mm)
Power Req.	Input Voltage +12 to +26 Vdc.
	350 mA Typical Current @12 Vdc including SoM, USB & LCD
	(Note: up to 1.0A is req. if USB Host is providing power to devices)
Environment	0 - 60c Operating Temperature
	90% Upper Operating Humidity

TTL LCD

LVDS LCD & Touch

GPIO, A/D, SPI, I2C

Buzzer

COM-D

12v - 26V DC Power

COM- B

COM-C

Battery

CAN

Resistive Touch Screen

Reset Button

COM-A

Status LEDs

Resistive Touch Screen

Micro SD

Ethernet

USB Hosts

USB OTG

Stereo In

Stereo Out

Carrier Board Options

PRODUCT #	DESCRIPTION
SoM-250ES-000	Standard Carrier Board with CAN, Audio, 7" LCD
SoM-250ES-001	Deluxe Standard Carrier Board with CAN, Audio,10" LVDS LCD Touch Screen
SoM-250ES-007	Bare Bones Carrier Board, no LCD

www.emacinc.com   info@emacinc.com   Carrier Board   EMAC, inc.

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