



## Features

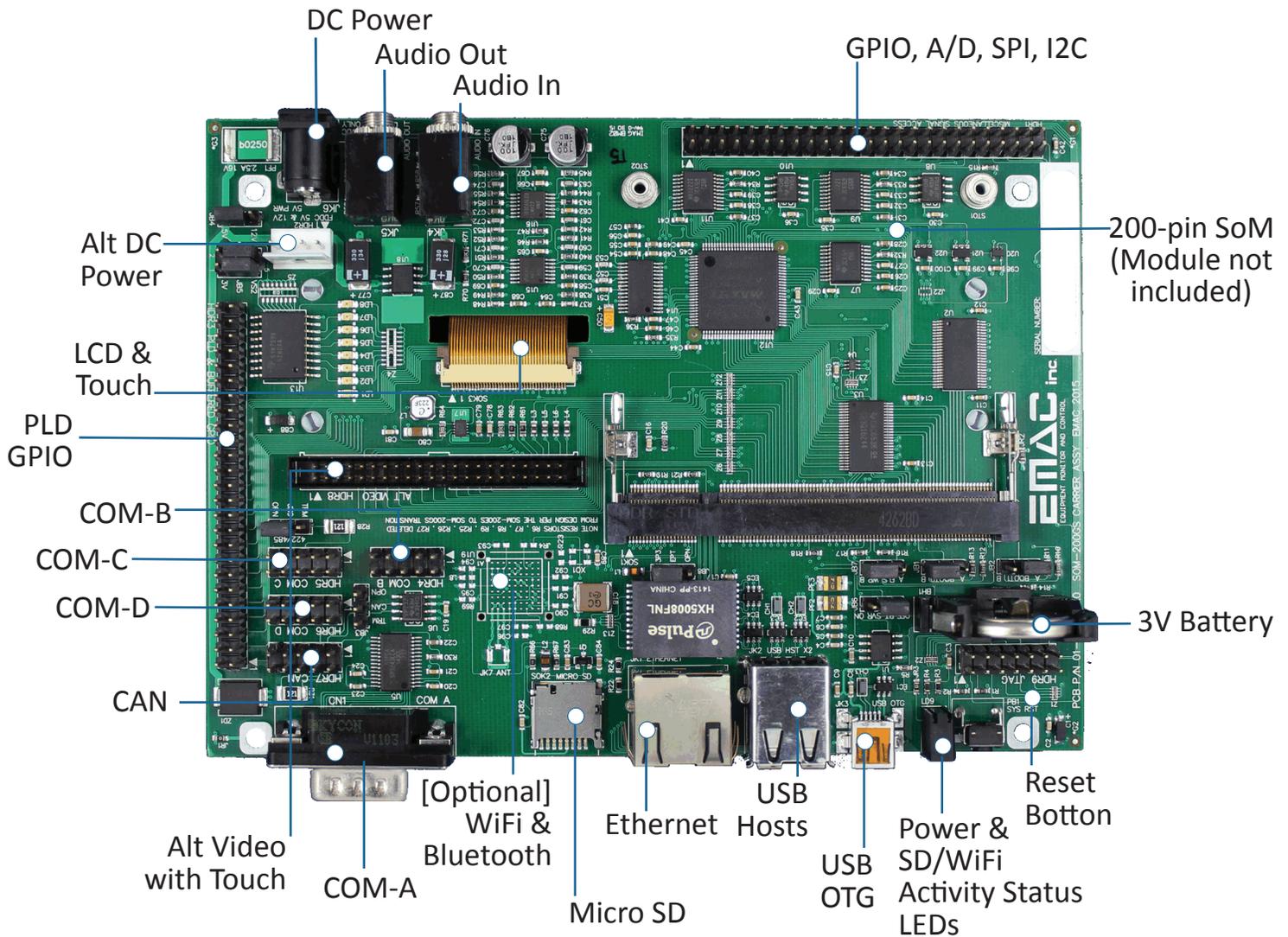
- 4x Serial Ports (3x RS232 & 1x RS232/422/485)
- Gigabit Ethernet with Status LEDs
- 2x USB 2.0 Host & 1x USB OTG Ports
- I2S Audio Line In/Out Port & SD Card Slot
- Up to 56x I/O Lines
- WiFi 802.11 b/g/n [optional]
- Bluetooth 3.0 + High Speed [optional]
- 4.3" LCD with Touch



## Specifications (Actual I/O Availability is SoM Dependent)

Compatibility	EMAC 200-pin SODIMM socket
Memory	1x SD Flash Card Socket (Optional)
I/O	24x General Purpose Digital (PLD) I/O Lines: 8x Digital Input Lines, 8x Digital Output lines with 20 ma. drive, 8x High Drive Digital (PLD) Output Lines with Status LEDs 500ma. sink
	32x SOM Specific I/O Lines
	1x I2S Audio Line In/Out Port
	1x 10/100/1000 BaseT "Gigabit" Ethernet with Status LEDs
	4x Serial Ports (3x RS232 & 1x RS232/422/485)
	1x CAN 2.0 Port
	2x USB 2.0 Host & 1 USB OTG Ports
	Reset Button
	Power & SD/WiFi Activity Status LEDs
	1x I2C, 1x SPI (3 chip selects)
1x WiFi 802.11 b/g/n [optional]	
1x Bluetooth 3.0 + High Speed [optional]	
Analog	4x Channels A/D
Video	1x 4.3" Graphic LCD Interface for TFT WQVGA (480x272)
	1x 44-pin dual row 2mm auxiliary video/touch connector
	Backlight Brightness Control
	1x 4-wire Resistive Touch Screen Interface
Dimensions	4.375" x 6.0" (111.13 x 152.40mm)
Power Req.	5V DC
	Typical Running Current Consumption 800mA (830mA with WiFi) 5V +/- 10%
	Floppy power supply connector and standard barrel power jack
Environment	0° to 60°C Operating Temperature [-40° to +85°C optional]
	90% Upper Operating Humidity





\*System on Module (SoM) - Module not included

## Carrier Board Options

PRODUCT #	DESCRIPTION
SOM-200GS-000	Standard 200-pin Carrier w/SD Card Socket & 4.3" LCD
SOM-200GS-001	Deluxe 200-pin Carrier w/WiFi & 4.3" LCD, without SD Card Socket
SOM-200GS-007	Bare-Bones Carrier Board includes Standard Options with the exception of PLD & LCD

## Optional Accessories

PRODUCT #	POWER SUPPLY
PER-PWR-00041	Brick 30W w/ HDD & FDD connector +5/+12 VDC
PER-PWR-00032	5V @ 2.5A Power supply (110V @ 60 Hz US)
PER-PWR-00033	5V @ 3.2A Power supply (100-220V @ 47-63 Hz Intl.)

PRODUCT #	TERMINAL BOARDS
PCD-3950	50-pin Wire Screw Terminal Block, with Flat Cable