



Features

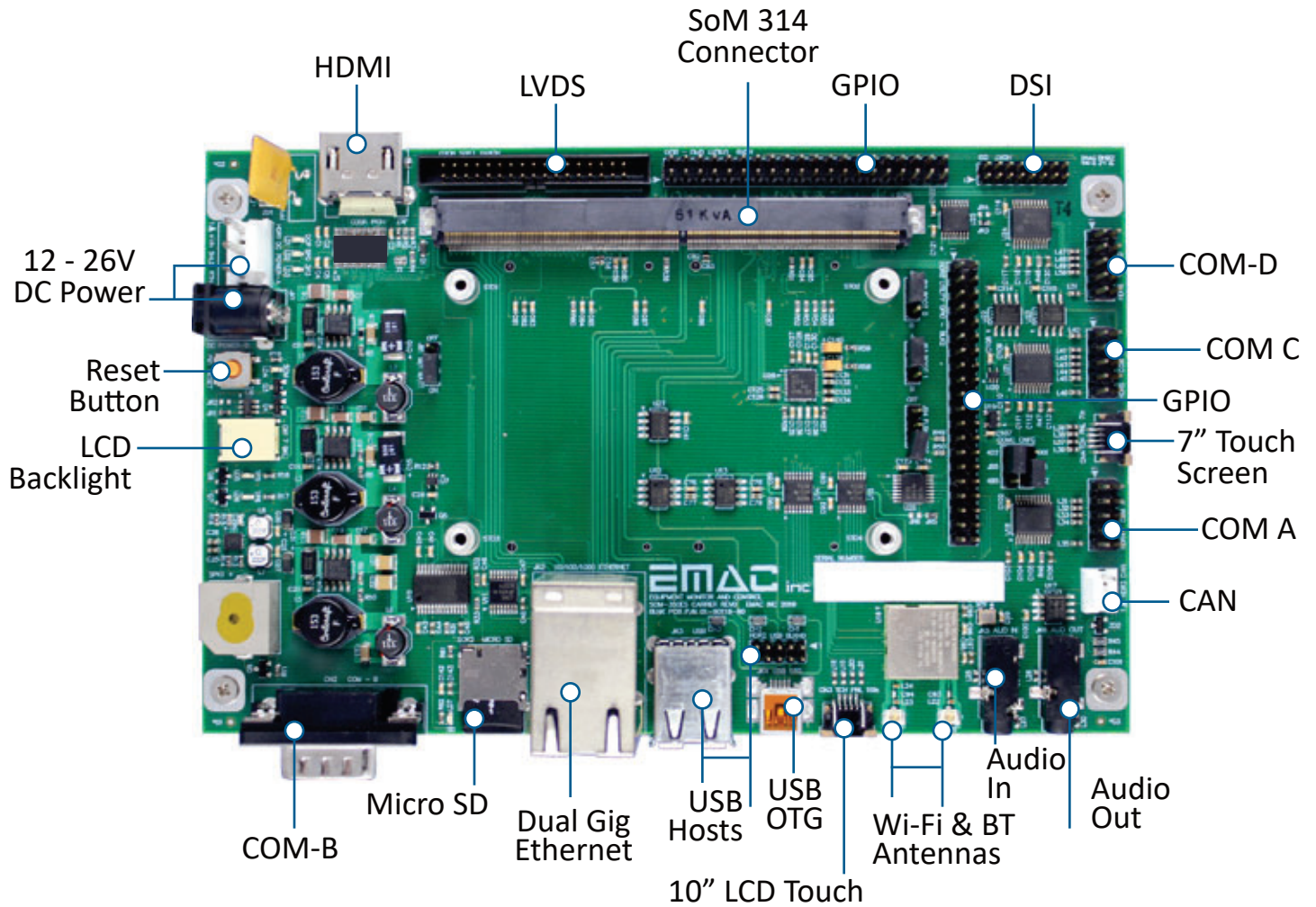
- 4x Serial Ports (3x RS232 & 1x RS232/422/485)
- 16x Processor General Purpose I/O Lines
- 2x Gig BaseT Ethernet with Status LEDs
- Graphic LCD, HDMI, LVDS, & DSI Interfaces
- LCD & Resistive Touch Screen
- 3x USB Ports (2x USB HS Host & 1x USB OTG)
- I2S Audio Port with Line-In/Line-Out
- Wi-Fi & Bluetooth (Optional)



Specifications (Actual I/O Availability is SoM Dependent)

Compatibility	EMAC 314-pin MXM EM4C G2 Spec socket
Memory	1x mSATA Socket 1x microSD Flash Card Socket
I/O	16x Processor General Purpose I/O (GPIO) SoM Lines I2S (1x I2S Audio port with Line-In/Line-Out & 1x I2S TTL) 2x 10/100/1000 BaseT (Gig) Ethernet with Status LEDs 2x CAN 2.0b (1x CAN with Transceiver & 1x CAN TTL) 4x Serial ports (3x RS232 & 1x RS232/422/485) 2x USB 2.0 High Speed Host ports 1x USB 2.0 High Speed OTG port 2x Timers/Counters & 4x PWM System Reset button 1x Audio Beeper 2x SPI, 3x I2C
Video	7" TFT Color LCD option, 800 x 480 WVGA @ 256K Colors (Operating Temperature: -20° to +70°C) 800 (cd/m ²), Durability - Over one million touches 10" TFT LVDS Color LCD option, 1024 x 600 WSVGA @ 256K Colors (Operating Temperature: 0° to +50°C) 460 (cd/m ²), Durability - Over one million touches Graphic LCD, HDMI, LVDS, & DSI Interfaces Backlight Brightness Control 4-Wire Analog Resistive Touch Screen
Analog	4x A/D Channels
Wireless	TI WL1835MOD supporting 802.11 a/b/g/n Wi-Fi, 2 x 2 MIMO channels (optional) TI WL1835MOD supporting Bluetooth with dual-mode Bluetooth 4.1 and Bluetooth LE (optional)
Expansion BUS	Full-sized Mini-PCIe socket (PCIe signals only)
Dimensions	Barebones: 6.55" x 4.15" (166mm x 105mm) 7" LCD 7.55" x 4.20" (192mm x 106mm) 10" LCD 10.35" x 5.76" (263mm x 146mm)
Power Req.	12-26V @ 12W
Environment	0° to 60°C Operating Temperature [-40 to +85C optional] 90% Upper Operating Humidity





Carrier Board Options

PRODUCT #	DESCRIPTION
SOM-350ES-000	Standard Carrier Board 7" LCD 800x480 WVGA, No Wireless
SOM-350ES-001	Standard Carrier Board 10" LCD 1024 x 600 WSVGA, No Wireless
SOM-350ES-010	Deluxe Carrier Board 7" LCD 800 X 480 WVGA with 802.11 a/b/g/n Wi-Fi & Bluetooth
SOM-350ES-011	Deluxe Carrier Board 10" LCD 1024 x 600 WSVGA with 802.11 a/b/g/n Wi-Fi & Bluetooth
SOM-350ES-017	Barebones Carrier Board with 802.11 a/b/g/n Wi-Fi & Bluetooth (No LCD)
SOM-350ES-007	Barebones Carrier Board (No LCD & No Wireless)

Optional Accessories

PRODUCT #	POWER SUPPLY
PER-PWR-00035	12V @ 2.1A Wall Power Supply (110V @ 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
PER-MIS-00050	2.4GHz & 5GHz WiFi Antenna with 10 cm cable, IPEX connector, adhesive antenna.
PER-MIS-0005PR	2.4 GHz WiFi Antenna & 20cm IPEX to SMA Cable, Panel Mount SMA

