PPC-10-5D36

Panel PC Open Frame

Features

- Embedded Atmel ARM Cortex A5 ATSAMA5D36
- 512MB SDRAM
- 4 GB of eMMC Flash, 16MB Serial Data Flash
- 10" TFT Color LCD with Resistive Touch Screen
- 3 RS232 & 1 RS232/422/485 Port
- 2 USB 2.0 Host port, 1 USB 2.0 OTG port
- Wireless 802.11 b/g/n; Bluegiga[WF111-E] onboard
- Optional: Bluetooth

Specifications

Processor	Atmel ARM Cortex A5 ATSAMA5D36
	536 MHz
Memory	512 DDr2 SDRAM
	4GB eMMC Flash
	16MB of Serial Data Flash
	1x Micro-SD Flash Card Socket
I/O	16x General Purpose I/O Dedicated (22x GPIO fully allocated)
	1x I2S Audio port with Stereo Line-In/Line-Out
	1x 10/100/1000 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" ×4.15" x 1.15" (191mm × 105mm)
Power Req.	12V (+12 to +28 V DC)
	Typical Running Current Consumption 7W
Environment	-20° to +70° C *Note: Temperature limited by LCD

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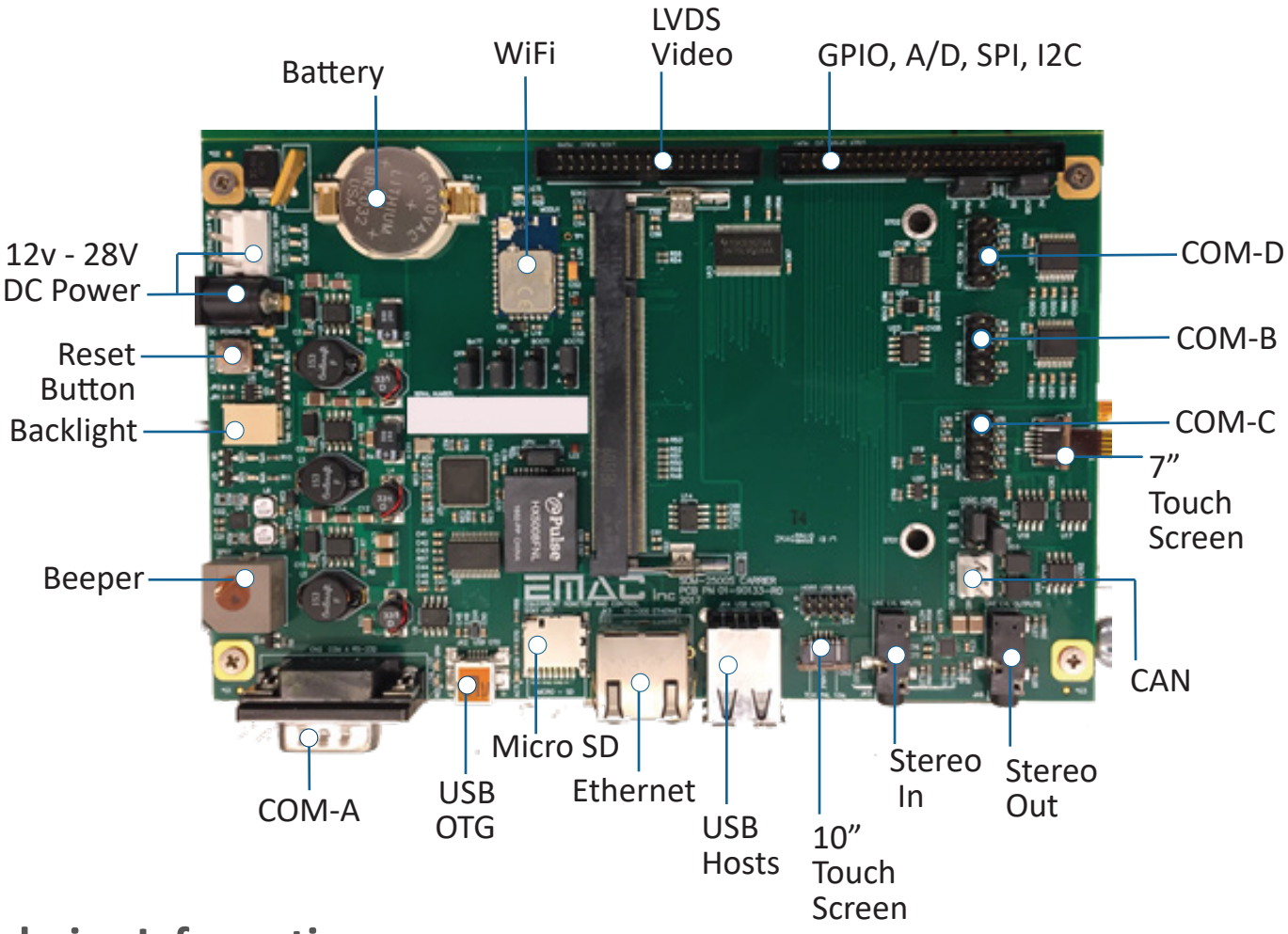

Ordering Information

PRODUCT #	CPU	MEMORY	SERIAL	GPIO	USB	VIDEO	CONNECTIVITY	TEMPERATURE
PPC-10-5D36-1R	Atmel ARM Cortex A5 ATSAMA5D36	512MB DDR3 SDRAM 4GB eMMC Flash 16MB 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
PER-MIS-00050	2.4GHz & 5GHz WiFi Antenna with 10 cm cable, IPEX connector, adhesive antenna.

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