



Features

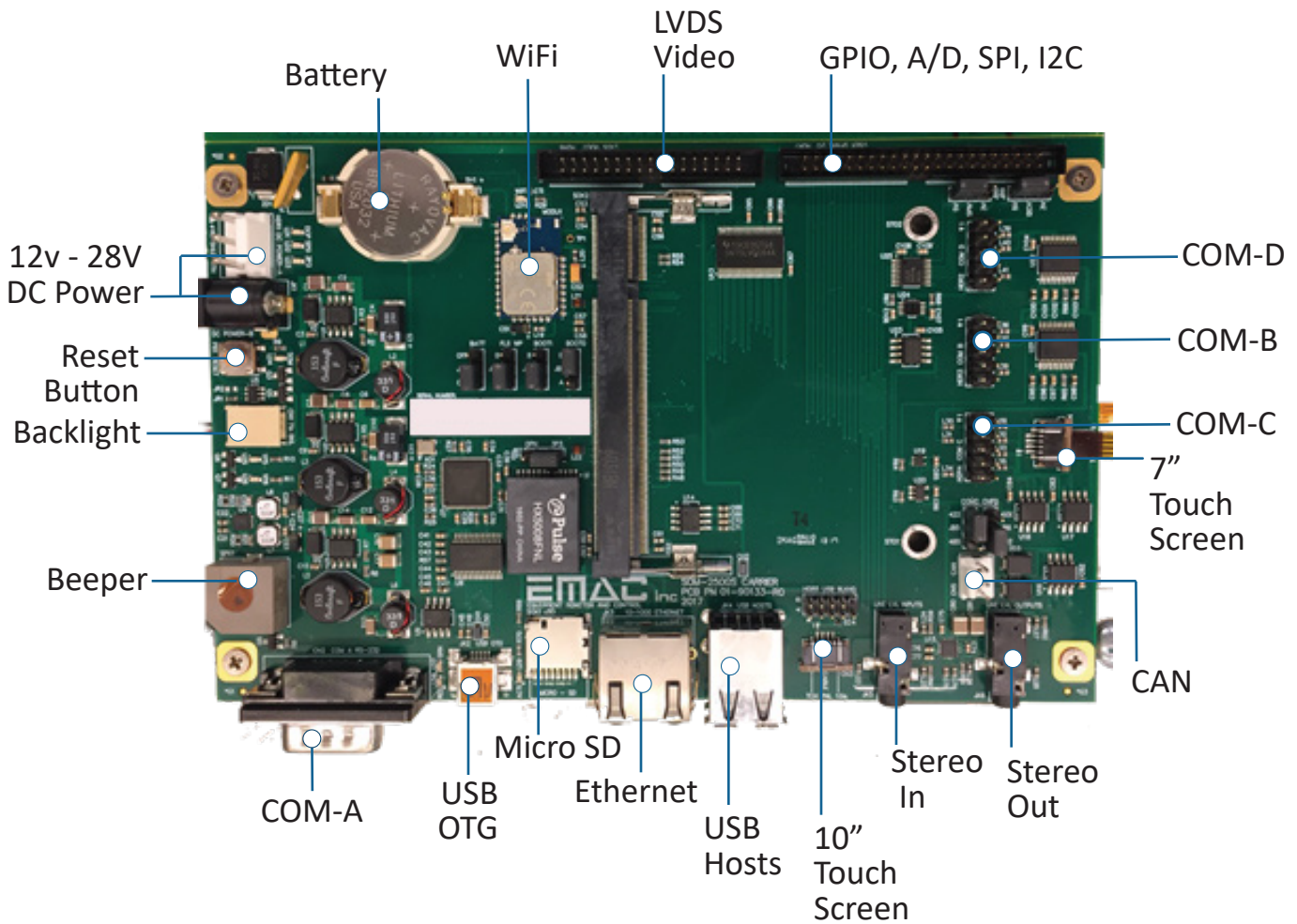
- Embedded Atmel ARM Cortex A5 ATSAMA5D36
- 512MB SDRAM
- 4 GB of eMMC Flash, 16MB Serial Data Flash
- 10" TFT Color LCD with Resistive Touch Screen
- 3 RS232 & 1 RS232/422/485 Port
- 2 USB 2.0 Host port, 1 USB 2.0 OTG port
- Wireless 802.11 b/g/n; Bluegiga[WF111-E] onboard
- Optional: Bluetooth



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" x4.15" 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-10-5D36-1R | Atmel ARM Cortex A5 ATSAMA5D36 | 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 |
| 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\"/> |

