



Features

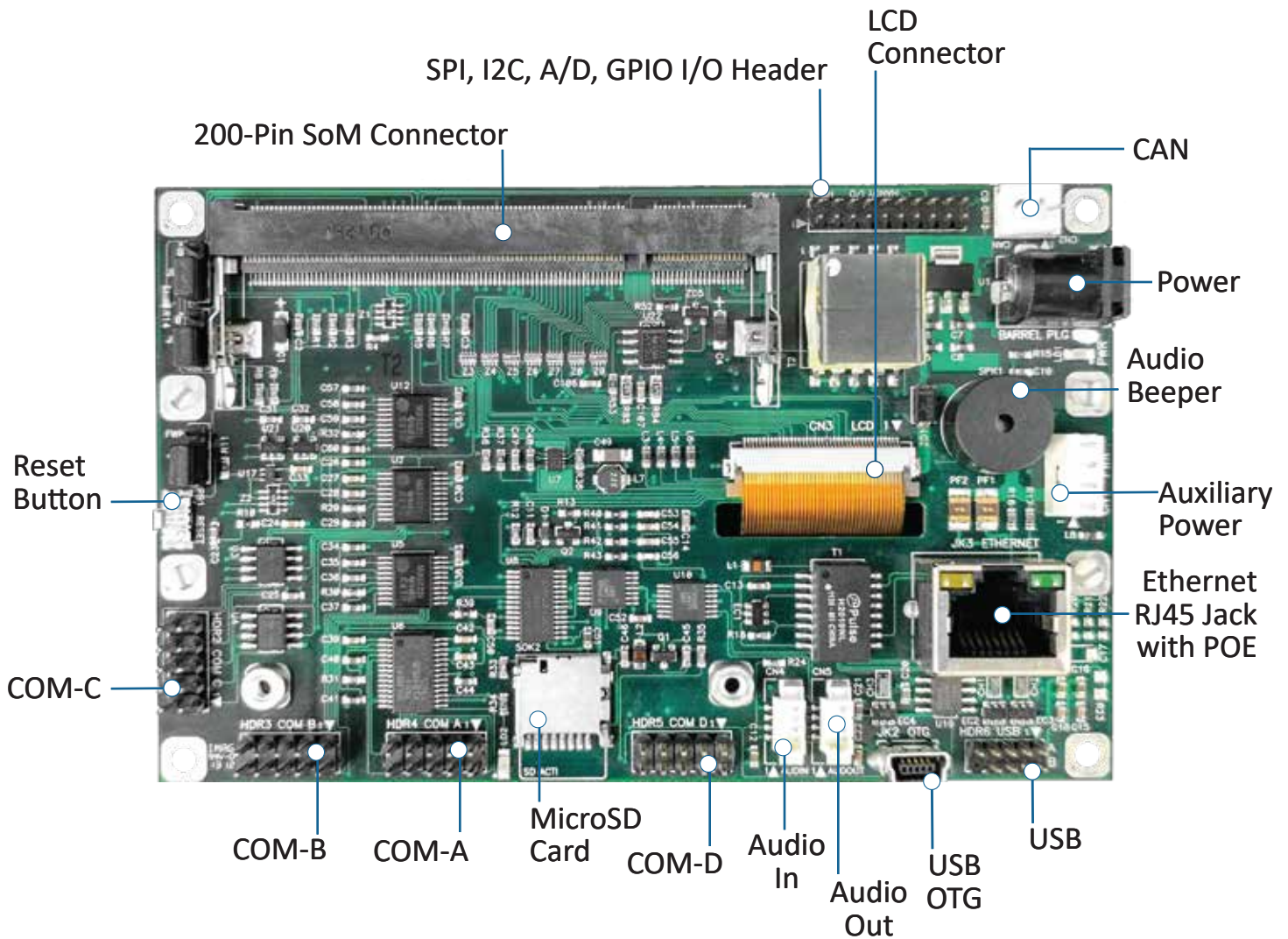
- TI AM3354 ARM Cortex-A8 1 GHz
- 512MB of DDR3 RAM
- 4GB eMMC Flash, 16MB Serial Data Flash
- 1x 10/100 BaseT Ethernet, POE (Optional)
- 16x GPIO, 1x I2S, 1x SPI, 1x I2C, 1x CAN, PWM
- 2x USB 2.0 Ports
- 4x Serial Ports
- 4.3" WQVGA Resolution LCD with LED Backlight
- Inexpensive Open-Frame Design



Specifications

Processor	TI AM3354 ARM Cortex-A8 1 GHz
Memory	512MB DDR3 RAM 4GB eMMC Flash 16MB of Serial Data Flash Micro SD Flash Card Socket
I/O	16x GPIO (5x Dedicated, 11x Configurable I/O) 1x I2S Audio with Line-in/out Port (Optional) 10/100 Base-T Ethernet, POE Type 1 (Optional) 1x USB 2.0 High Speed Host Port 1x USB 2.0 High Speed OTG Port 3x RS232 & 1x RS232/422/485 Port 1x CAN 2.0B Controller 1x SPI Port, 1x I2C Port Timer/Counters/PWM 1x Audio Beeper
Video	4.3" WQVGA (480 x 272) Resolution with LED Backlight Graphic LCD Interface with Touch Screen Software Controlled Backlight On/Off & Brightness
Analog	8x A/D Channels with 12-bit A/D Converter - 4 Channels are utilized for the 4-wire resistive touchscreen interface
Bus Expansion	Local ARM Cortex-A8
OS	EMAC OE Embedded Linux
Dimensions	4.8" x 3" x 1.2" (121mm x 76mm x 30mm)
Power Req.	8-36 Vdc Wide Input, POE, or Regulated 5 Vdc Power for SoM, USB & LCD Typical Running Current Consumption 4W
Environment	0° to + 60° C





Ordering Information

PRODUCT #	CPU	MEMORY	SERIAL	GPIO	USB	VIDEO	LAN	TEMPERATURE
PPC-04-3354-0R1	TI AM3354 ARM Cortex-A8 1 GHz	512 DDR3 SDRAM 4GB eMMC Flash 16MB Serial Data Flash	4x	16x	1x USB Host, 1x USB OTG	WQVGA (480x272) Graphic LCD with Touch Screen	10/100 BaseT Ethernet	0° to +60° C
PPC-04-3354-1F1	TI AM3354 ARM Cortex-A8 1 GHz	512 DDR3 SDRAM 4GB eMMC Flash 16MB Serial Data Flash	4x	16x	1x USB Host, 1x USB OTG	WQVGA (480x272) Graphic LCD with Touch Screen	10/100 BaseT Ethernet with POE	0° to +60° C

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.)

