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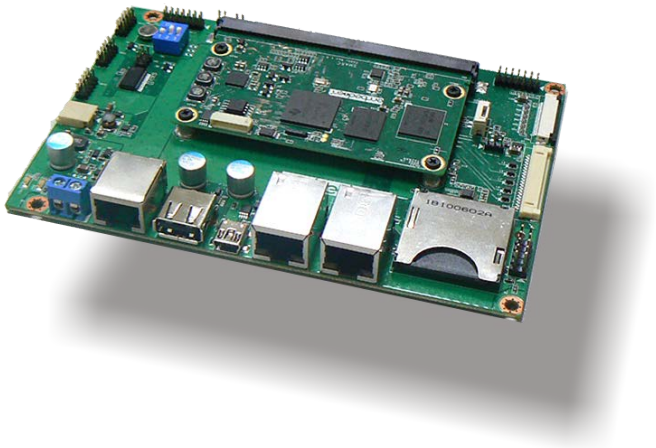
SBC-SMART-BEE



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TEXAS INSTRUMENTS

HIGHLIGHTS

- TI Sitara AM335X ARM Cortex-A8
- 600Mhz, 800Mhz and 1Ghz
- 512MB DDR3 and 4GB eMMC
- 2 x Ethernet interfaces
- RS 232 x 3, USB 2.0 x 2, CANbus, I2C x 3, Stereo Audio, GPIO
- Long-term availability (10+ years)

Technical Information

SBC-SMART-BEE SBC	
Processor	TI Sitara AM335X ARM Cortex-A8 up to 1GHz
Memory	Onboard 4GB eMMC Onboard 512MB DDR3 Onboard 4MB SPI NOR Flash Onboard 4KB EEPROM
Networking	2 x 10/100Mbps Ethernet
Display	18-bit and 24-bit LVDS
Expansion	1 x SD/SDHC, 1 x USB Host 2.0
USB	1 x USB Host 2.0, 1 x USB OTG
Additional Interfaces	3 x RS 232, 2 x SPIs, 2 x I2C, Stereo Audio, 1 x CAN Bus, 2 x PWM, 12 x GPIOs
SW Support	Linux 3.2 / Linux 3.12 Android ICS
Power	2 Watts typical

SMART Series Single Board Computer

SMART series single board computers consist of a SMARC module and an application oriented carrier board. The advantages of this architecture are users can easily upgrade their system by changing the industrial standardized SMARC module or expanding their interfaces by replacing a different carrier board.

SBC-SMART-BEE-335X

The core of the SBC-SMART-BEE is the SMARC-T335X COM. The COM is interfaced directly to the SMART-BEE baseboard. This 314-pin standard SMARC interconnect allows interface such as USB OTG,UART, Ethernet, CAN & display. These interfaces from the SMARC are routed to the I/O connectors on the SBC-SMARC-BEE board.

modularized design | low power | wide temperature | extensive supports | cost effective | high performance | long lifecycle