from **$34**

VAR-SOM-AM33

Breaking the price barrier

Main Features

Texas Instruments Sitara AM335x
- High performance with 1GHz Cortex-A8
- PowerVR™ SGX530 graphics core
- 512 MB DDR3
- 1024 MB SLC NAND Flash

Display Support
- Resolution 1400 x 1050 x 24 bpp
- LCD : Parallel RGB
- 4/5-wire resistive touch panel

Networking
- 10/100Mbps Ethernet
- Gigabit Ethernet MAC (RGMII)
- Certified 802.11 a/b/g/n with MIMO + BT5.1/BLE

USB
- USB 2.0 OTG
- USB 2.0 Host

Audio
- Digital audio McASP
- Microphone: Digital and Analog
- 2 x line-in, line-out

Other Interfaces: Dual CAN, SPI, I2C, McASP, GPMC, JTAG

-40-85 °C industrial temperature

support

OS Support
- Linux
- Android
- Windows Embedded Compact 7

Power
- Single 3.3V
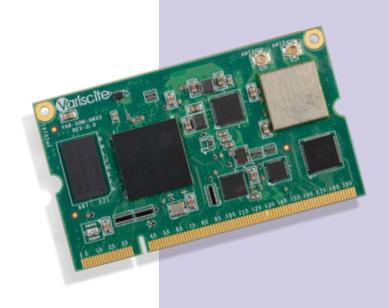- Digital I/O 3.3V
- RTC external backup battery

Dimensions (W x L x H):
38.6 mm x 67.8 mm x 3.0 mm

Overview

Supporting the 1GHz Sitara™ AM335x ARM® Cortex™ A8 processor from Texas Instruments (TI) with a rich 2D/3D graphics accelerator.

The VAR-SOM-AM33 provides a powerful and flexible selection across the full spectrum of applications. For example, specs like the -40 to 85 °C temperature range and dual CAN bus make it ideal for industrial applications such as automotive, control systems, lighting, refining and processing.

With Ethernet, USB, touch controller, audio, certified Wi-Fi 802.11 a/b/g/n with optional MIMO and BT4.0/BLE, the VAR-SOM-AM33 is also highly integrated with support for a wide range of operating systems.

VAR-DVK-AM33 Evaluation Kit

Overview

The VAR-DVK-AM33 allows full performance and capability evaluation, serving as a development platform for hardware and software teams.

- VAR-AM33CustomBoard populated with VAR-SOM-AM33
- Two display options:
  7" LCD + resistive touch panel;
  7" LCD + capacitive touch panel
- Power supply and communication cables
- Documentation and design package

VAR-AM33CustomBoard

Overview

The VAR-AM33CustomBoard delivers an impressive feature-set and spec range at an unbeatable price-point. This latest addition to the Variscite custom board portfolio allows flexible assembly for a range of operating systems and applications.

Display Support
- 4-pair 24-bit LVDS header
- 18-bi RGB parallel

Touch Panel
- 4-wire resistive touch panel (4-pin FFV/FPC)
- Capacitive touch support (10-pin FFV/FPC)

Audio
- Headphone
- Line-in

USB
- 4 x USB 2.0 host
- 1 x USB OTG

Ethernet
- Gigabit Ethernet
- 10/100Mbps Ethernet

Storage
- SD/MMC card socket

Serial Interfaces
- RS232 DB-9 male (DTE)
- RS232 IDC10 Header (Debug)
- RS485 (Header)
- CAN Bus

Expansion Connectors
- SPI, I2C, McASP, UART
- GPMC – Local Bus Interface
- SD/MMC
- Backlight Driver
- Extended Audio
- Breakout pins for various GPIOs

RTC backup battery
- CR1225 coin battery socket

Power
- 7.5V -14V DC Input

About Variscite

Variscite is a leading System on Modules (SoM) and Single-Board-Computer (SBC) design and manufacture company. A trusted provider of development and consulting services for a variety of embedded platforms, Variscite transforms clients' visions into successful products.

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