MitySOM-335x™ System-on Modules

The MitySOM-335x is a family of highly-configurable, very small form-factor AM335x based modules, an embedded applications processing platform with support for a variety of communications interfaces and high-performance user interfaces. With multiple versions, the Cortex-A8 based MitySOM-335x family meets a broad range of processing, display, and communications requirements — including wireless — with a broad range of pricing options to meet every product design need.

Rapid product development optimizing schedule, cost, and development risk
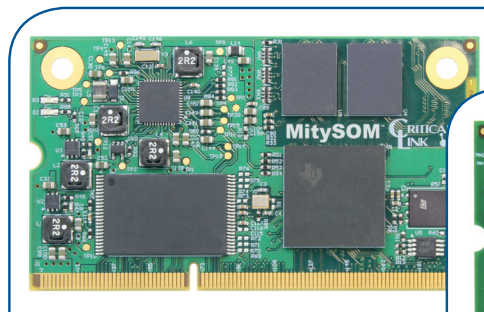
The MitySOM-335x is optimized to speed your development of a robust, high quality product at a price point to fit within your cost targets. Critical Link provides superior product support and a life-cycle that ensures long-term availability.

*As low as $49

Built for a wide range of applications
- Medical Systems
- Industrial Automation
- Industrial Instrumentation
- Scientific Instrumentation
- Custom Kiosks
- Weighing Scales
- Security Systems
- Building Automation
- Rich User Interfaces
- Measurement Devices
- Closed Loop Motor Control

Key Features
- ARM Cortex-A8 up to 1Ghz
- Integrated SGX530 3D graphics acceleration
- Fully integrated LSR TiWi-BLE module (optional)
  - Wi-Fi, Bluetooth, BLE
  - 802.11 b/g/n
  - RoHS compliant
  - FCC, IC, CE certified
- Onboard NOR, NAND, and DDR3
- Integrated power management
- Real-time embedded Linux, QNX and Windows Embedded Compact 7 support
- Industrial communications: EtherCAT, PROFIBUS, Profinet, Powerlink, Secos-IIII and Ethernet/IP
- Small form factor: 68mm x 38mm
- Standard SODIMM-204 Connector
- Industrial temperature -40℃ to +85℃

Peripheral Support:
- Dual gigabit Ethernet
- 24-bit WXGA LCD, touchscreen
- Integrated 12-bit 8-channel ADC
- USB (2), UART (6)
- CAN Bus (2)
- McASP (2), McSPI (2)
- eCAP (3), eQEP (3), eHRPWM (3)
- RTC, watchdog timer
- MMC/SD/SDIO (3)
- SPI (2), I2C (2), GPIO

*Volume price for quantities of 25k
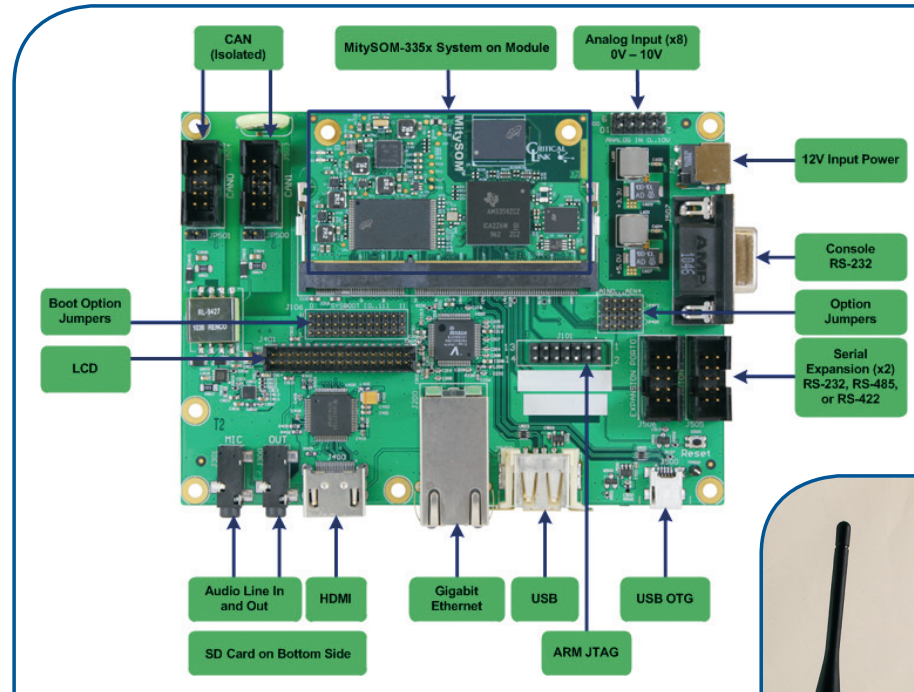
MitySOM-335x Development Kits

The MitySOM-335x Development Kit has all the necessary hardware and software to begin product development immediately, including a production-ready carrier board, Linux development environment, sample applications and a design guide for customizing the base board for your specific requirements.

The MitySOM-335x Display and Wi-Fi Development Kit adds a 6.4" high resolution color touch screen display and Wi-Fi interface.

Developers can also work with Critical Link engineers to customize this board to meet specific application requirements.

Full technical datasheets are available for the MitySOM-335x and other members of the Critical Link SoM family, at www.CriticalLink.com.

CAN (Isolated) | **MitySOM-335x System on Module** | **Analog Input (x8) 0V – 10V** | **12V Input Power** | **Console RS-232** | **Option Jumpers** | **Serial Expansion (x2) RS-232, RS-485, or RS-422** | **Boot Option Jumpers** | **LCD** | **Audio Line In and Out** | **HDMI** | **Gigabit Ethernet** | **USB** | **USB OTG** | **ARM JTAG** | **SD Card on Bottom Side**

Development Kit

Development Kit with Display