

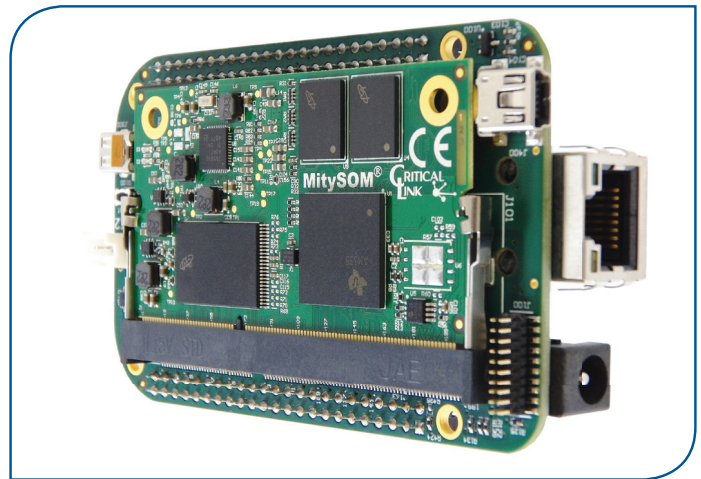
MitySOM[®]-335x Maker Transition Kit

Take your maker board prototype to production with this AM335x Development Kit

The MitySOM-335x Maker Transition Kit is for developers looking to convert a maker board-based prototype to a production suitable design. The kit is designed to minimize changes required when transitioning from the BeagleBone Black, and in many cases is a drop-in replacement.

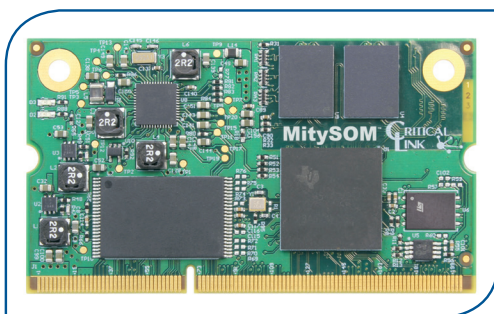
Each kit includes everything a developer needs to convert an existing design:

- Compatible MitySOM-335x Module
- 4GB eMMC Flash Memory
- Dual 46-pin Cape Compatible Headers
- MicroSD Card Connector
- 10/100 Networking
- HDMI Output with audio
- USB OTG (Mini B) and Host (A) Ports.
- Single 5V DC Input to JTAG and UART Debug interfaces
- USB to UART Debug Serial cable
- AC/DC 5V 2A adapter
- SD Card pre-loaded with Linux Operating System and demonstration application



Schematics, kernel information, SD card image, and design source files are available via our engineering support site: https://support.criticallink.com/redmine/projects/mitysom-335x_maker/wiki.

MitySOM-335x Production-Ready System on Module



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-III and Ethernet/IP
- Small form factor: 68mm x 38mm
- Standard SODIMM-204 Connector
- Industrial temperature -40°C to +85°C

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

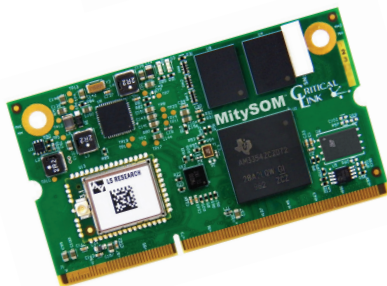
Production-Ready SOMs

Critical Link SOMs are a production-ready option for embedded development teams taking their next design to market.

But what exactly does “production-ready” mean?

- Whether you order 5 or 5,000, you can depend on availability
- Built for long term production, with 10-15 year availability from product release
- Professionally supported, directly by the team who developed it
- Our SOMs are not a reference design; they are designed for long life in the field with 24/7 operation
- Lifetime product maintenance with published PCNs, meaning no unexpected rev changes
- Commercial and industrial temp ranges
- Conveniently available through distributors you’re already doing business with
- 100% US-based development and assembly
- Escrow service available for all designs to minimize possible impact from unexpected circumstances

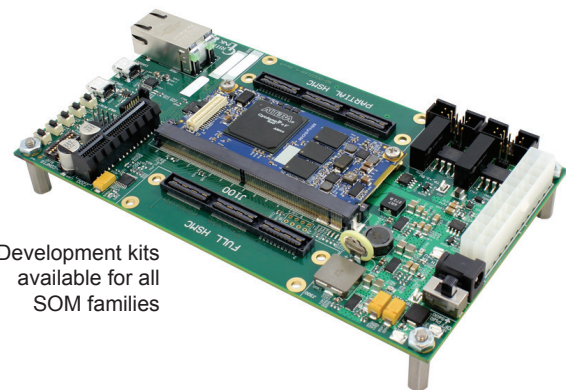
MitySOM-5CSx
Altera Cyclone V SoC



MitySOM-335x
TI Sitara AM335x



MityDSP-L138(F)
TI OMAP-L138 +
Integrated FPGA



Development kits
available for all
SOM families