



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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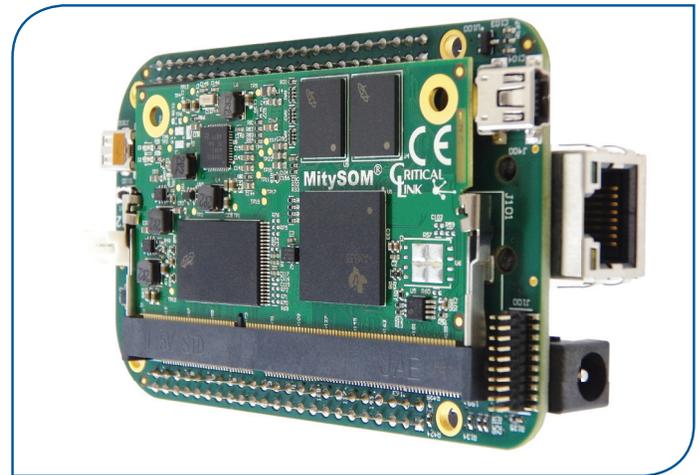
# MitySOM<sup>®</sup>-335x Maker Transition Kit

## 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](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

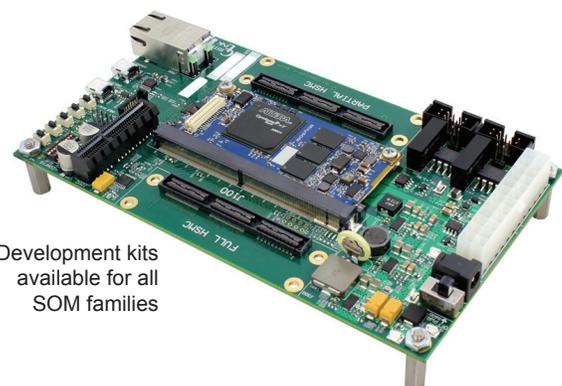
MitySOM-5CSx  
Altera Cyclone V SoC



MitySOM-335x  
TI Sitara AM335x



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



Development kits  
available for all  
SOM families