



MitySOM-AM62/A/P

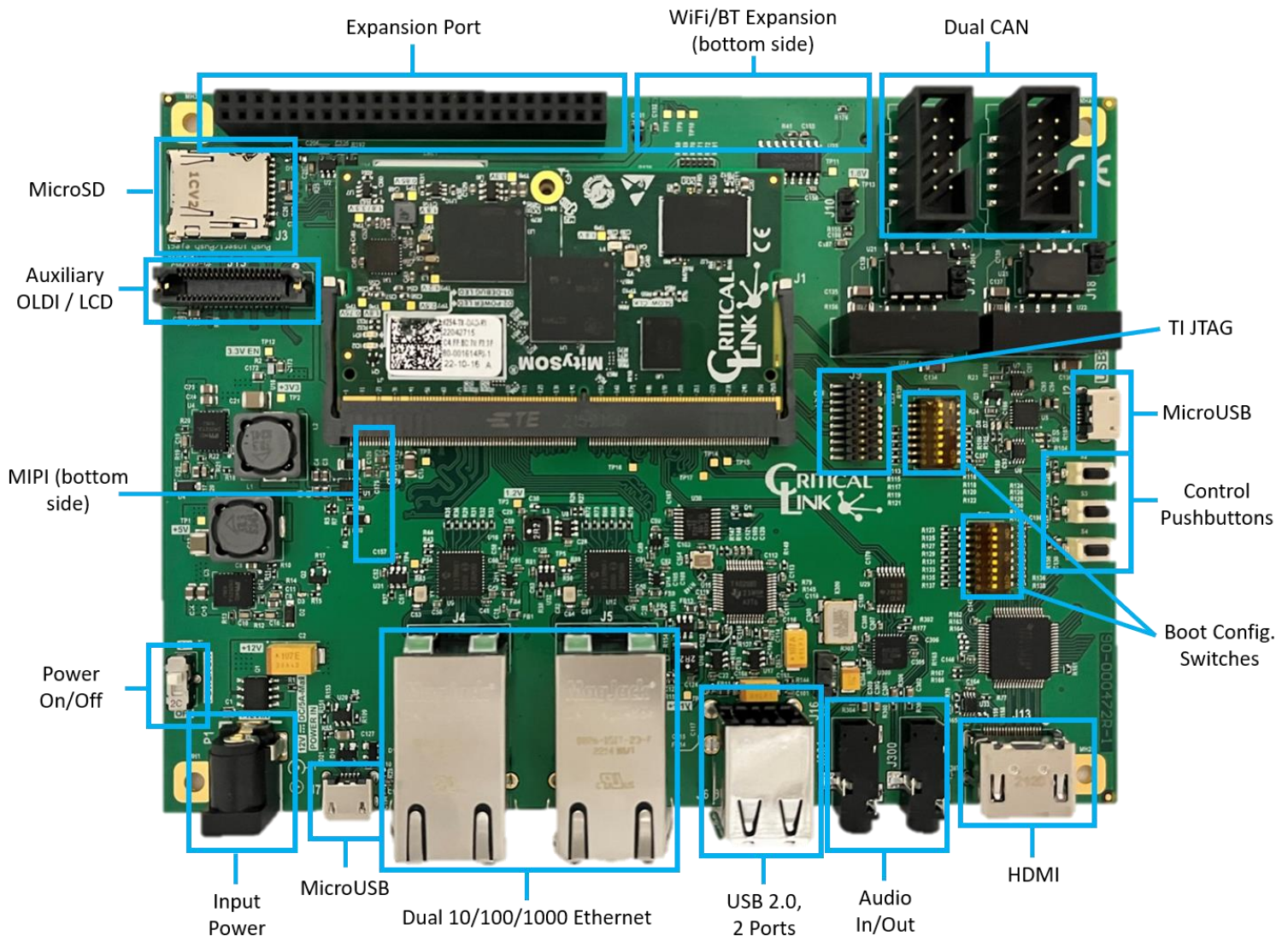
TI Sitara AM62x/A/P Modules



Feature	MitySOM-AM62	MitySOM-AM62A	MitySOM-AM62P
Main Processor (max)	Quad 64-bit ARM Cortex A53	Quad 64-bit ARM Cortex A53	Quad 64-bit ARM Cortex A53
Main Processor Speed (max)	1400 MHz	1400 MHz	1400 MHz
AI Hardware Acceleration	N/A	C67 DSP with Matrix Mult. supporting up to 2 TOPS	N/A
Co-Processor	ARM M4F	ARM R5F	ARM R5F
Co-Processor Speed	400 MHz	800 MHz	800 MHz
Hardware Acceleration	2 PRU-SS ¹	1 video encode/decode accelerator	1 video encode/decode accelerator
GPU Option	Yes, >8 GFLOPS, OpenGL ES / Vulkan	N/A	Yes, >50 GFLOPS, OpenGL ES / Vulkan
MIPI CSI Input	x4 Lane CSI-2, 1.5 Gbps per lane	x4 Lane CSI-2, 1.5 Gbps per lane	x4 Lane CSI-2, 1.5 Gbps per lane
ISP Acceleration	N/A	Yes	N/A
HW Video Encode / Decode	N/A	Yes	Yes
MIPI DPI Output	24 bit @ 165 MHz (1080P60)	24 bit @ 165 MHz (1080P60)	24 bit @ 165 MHz (1080P60)
OLDI Output	2 x4 LVDS Panel Interface	N/A	1 x4 LVDS supporting 1920x1080 @ 60 Hz
MIPI DSI Output	N/A	N/A	1 x4 Lane supporting 3840x1080 @ 60 Hz
Memory Topology	DDR4 x16 @ 800 MHz	LPDDR4 x32 @ 1866 MHz	LPDDR4 x32 @ 1600 MHz
Memory Burst Bandwidth	3.2 GB/sec	14.9 GB/sec	13.2 GB/sec
Memory Density Options	Up to 4 GB	Up to 8 GB	Up to 8 GB
NOR Flash Options	QSPI or OSPI	QSPI or OSPI	QSPI or OSPI
NOR Flash Density	up to 256 MB	up to 256 MB	up to 256 MB
eMMC Flash Options	up to x8 HS200	up to x8 HS200	up to x8 HS400*
eMMC Flash Density	up to 128 GB	up to 128 GB	up to 128 GB
USB Support	2x USB 2.0 Dual Role	2x USB 2.0 Dual Role	2x USB 2.0 Dual Role
Typical OS	Linux, Zephyr	Linux	Android, Linux
Common Applications	General Embedded Linux System	Low Power AI Enabled System Low Power video capture system	Embedded Android System Battery Device



MitySOM-AM62/A/P Development Kit



INTERFACES

- MIPI
- Dual USB 2.0
- Micro USB 2.0
- Dual Gigabit Ethernet
- Dual 10/100 Ethernet
- HDMI
- Dual CAN Bus
- Audio In/Out
- Dual OLDI/LCD Output Adapter
- USB Debug UART
- Micro SD Card
- WiFi/Bluetooth Module Adapter

Includes everything you need to get up and running in minutes.

Start software development months ahead schedule.