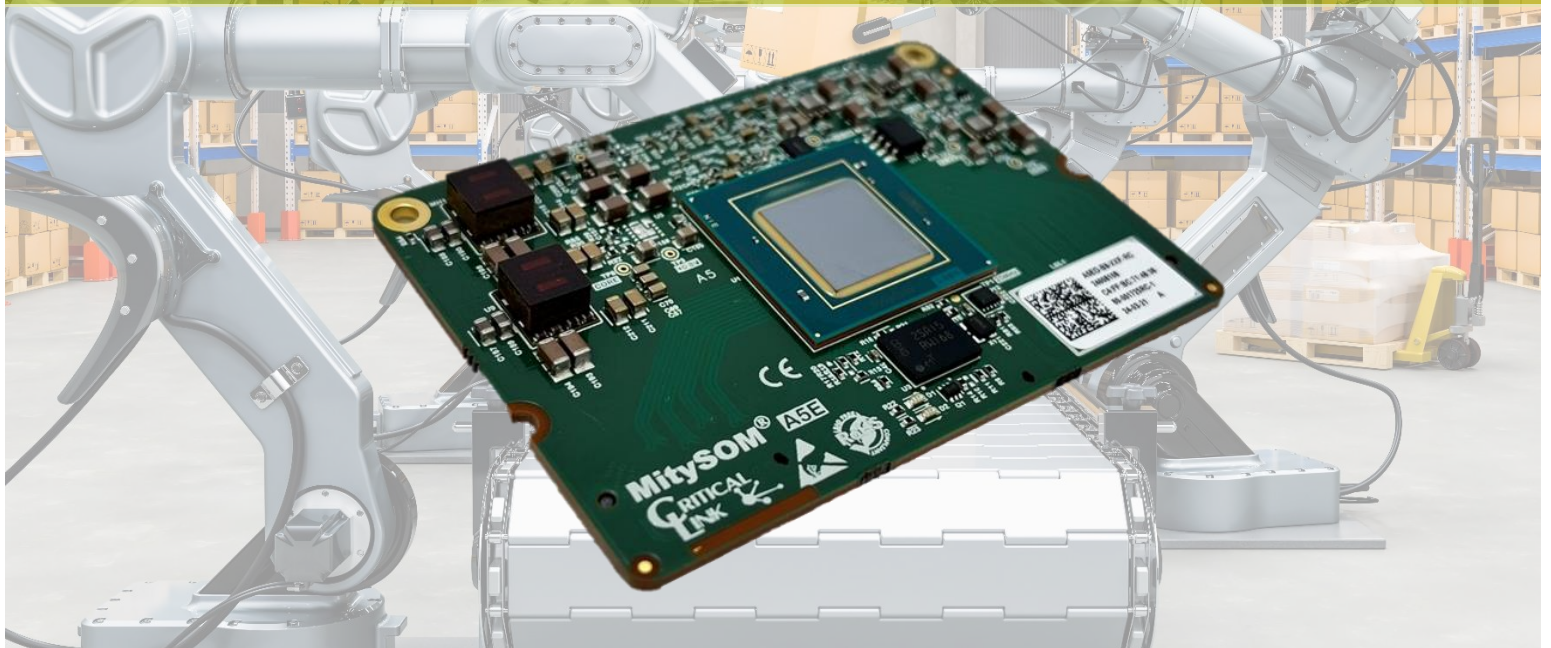




MitySOM-A5E

Altera Agilex 5 System on Module



Production-Ready Solution for Broad Market Applications

Artificial Intelligence
Video & Vision Analytics
Biometrics
Radios & Communications
Automated Test & Measurement
Robotics
Industry 4.0 / Industrial IOT
Medical Equipment & Imaging
Process Automation
Equipment / Condition Monitoring

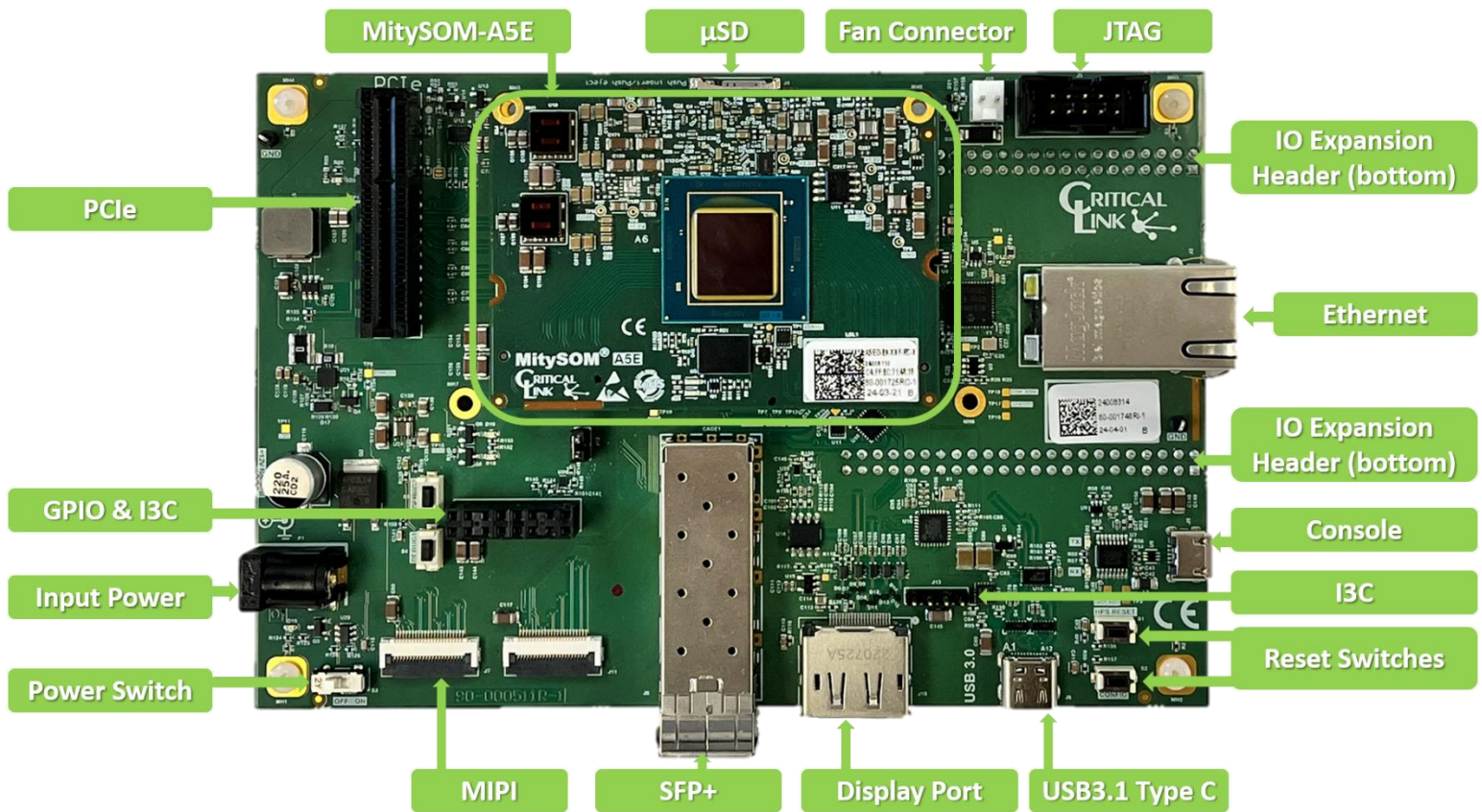
SOM SPECIFICATIONS

- Altera SoC
 - Agilex 5 E-Series: 23mm x 23mm package
 - FPGA fabric: 50 to 656 KLE
 - Dual core Cortex-A55 + Dual core Cortex-A76
 - Optional Transceivers
- Memory
 - 8 GB LPDDR4
 - SD/eMMC
 - uSD
 - QSPI NOR for configuration
- Size
 - 51mm x 82mm (2.0" x 3.2")
- Power
 - 12Vdc Input, all supplies generated on board
- Interfaces
 - MIPI (x4 lanes x 7)
 - Display Port
 - USB 3.1 Gen 2
 - 12 LVDS Pairs
 - 144 Single Ended GPIO
 - 1G and 2.5G Ethernet
 - UART
 - SPI
 - I2C

PERFORMANCE & FLEXIBILITY

2.5x the performance, 50% less power consumption vs Cyclone V SoC

Prototypes available today – Contact Critical Link for access!
info@criticallink.com



INTERFACES

- MIPI
- USB3.1
- PCIe 4.0
- Gigabit Ethernet
- DisplayPort
- SFP+ (supporting up to 10Gb Ethernet)
- USB Debug UART
- Micro SD Card
- I3C

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

Start software development months ahead schedule.