Electronic Product Engineering Services

Full Lifecycle Capabilities
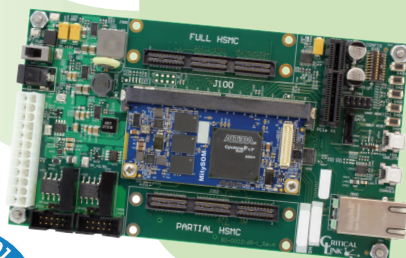
- ❍ Systems engineering
- ❍ Hardware design
- ❍ Firmware
- ❍ Software
- ❍ Mechanical engineering
- ❍ Prototyping
- ❍ Testing
- ❍ Transition to production
- ❍ Manufacturing

Critical Link is an embedded systems engineering firm with extensive experience developing electronic products for industrial, medical, scientific, and defense applications. Our engineering staff spans the necessary disciplines to ensure technical success, while accelerating your time to market.

Many customers benefit from our ground-up design services, but Critical Link also offers customization of our off-the-shelf System-on-Modules (SOMs) and imaging platforms. This approach ensures product development success against even the most aggressive budgets, schedules, and technical resource constraints.

Our range of experience and key technology partnerships uniquely position us for challenges in the areas of:

- ❍ SoC-based system design
- ❍ Analog signal processing
- ❍ Digital signal processing
- ❍ Sensor integration (imaging sensors, photodetectors, vibration & temp sensors)
- ❍ Custom imaging/image processing
- ❍ Communications systems
- ❍ Motor control (Stepper, BLDC, Servo)
- ❍ Data acquisition

Customizing Our SOM & Imaging Platforms for Your Application:

- ❍ Sensor integration
- ❍ Hardware modifications
- ❍ FPGA development
- ❍ Signal processing algorithms
- ❍ Software optimization
- ❍ Interfaces

Application Experience

- ❍ Industrial Equipment & Automation
- ❍ Scientific & Medical Imaging
- ❍ Environmental Monitoring
- ❍ Alternative Energy
- ❍ Communications Systems
- ❍ Mesh Networking
- ❍ Broadcast Audio Equipment
- ❍ Inspection Equipment
- ❍ Test & Measurement
- ❍ Defense and Security
- ❍ Transportation
- ❍ Telecommunications Equipment
- ❍ Navigation Systems
- ❍ Radar Systems

ISO 9001 SRI CERTIFIED

ISO 14001 SRI CERTIFIED