

# EMBEDDED SYSTEMS

Custom Solutions  
Your Choices. Our Expertise



## Oncilla Machine Vision Computer



**CoaXPRESS**  
4xCXP-12

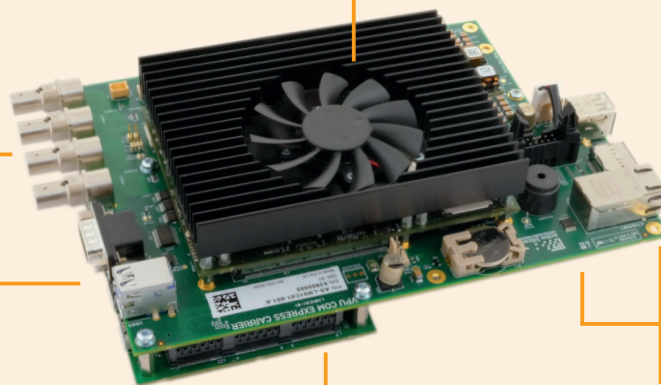
- Industry-grade high-performance computer
- Processor: Intel Core i7-12700TE
- Multiple expansion and extensive I/O
- Embedded FireBird CoaXPRESS frame grabber
- Configurable and modular (customization)
- Compact, robust and highly reliable
- Long product life for long-term supply

## Custom Video Processing Embedded PC

Active Silicon custom embedded systems are designed for specific OEM applications such as medical devices, industrial automation, process control, security and others.

Any type of **video acquisition** such as CoaXPRESS, Camera Link or 3G-SDI.

A wide range of high performance **processors** available including extended temperature options.



**COM Express** mezzanine carrier card; a rugged and custom solution.

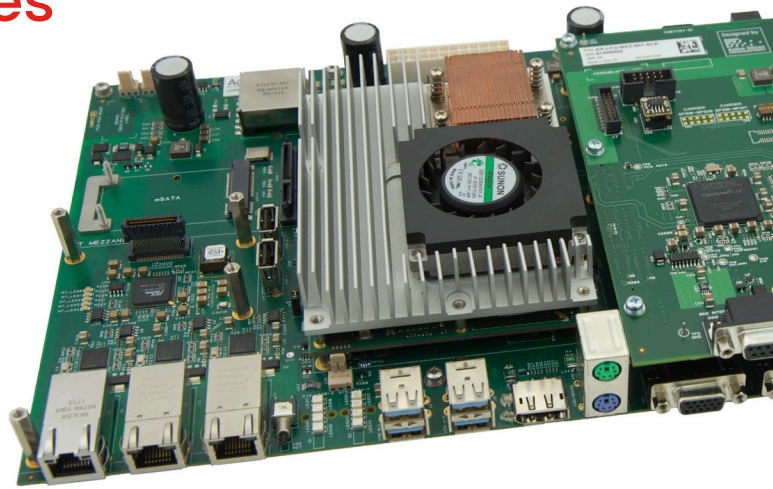
All standard **PC interfaces** such as USB 3, HDMI, GigE, RS-232 and DisplayPort etc.

Flexible **expansion options** via PCI/104-Express add-on boards.

# Custom Design Services

Active Silicon is a specialist manufacturer of imaging products and custom embedded vision systems.

We have over 35 years' experience in designing embedded systems in a variety of form-factors to support cutting-edge vision technology, machine control, communications and networking.



## Project Management

We will guide and manage your project through every stage

Evaluation + Plan



Design + Development



Prototype



Production

## Quality Assurance

Critical steps all managed in-house to ensure high quality and reliability.

- Research, design and development
- System assembly
- Testing
- Supply chain management
- Compliance with ISO and other standards

## Skills and Capabilities

Whether you need a full custom solution, or to customize an existing product, we can support you with our expertise and skills.

- System / Hardware / FPGA design
- Software development and applications
- Fast turn-around prototyping
- Manufacturing with established partners



 Contact us to discuss your project and requirements



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