

# Rugged Embedded Computing Solutions Defense & Aerospace



## The VersaLogic Advantage

- Rugged board-level COTs computing solutions
- Extensive lifecycle support – guaranteed 5-year off-the-shelf availability and formalized programs for 10+ year extensions
- Award winning customer support – awarded “Five Star” (highest) rating by the world’s largest defense contractor
- Ultra-high reliability COTS – industry leading manufacturing quality and screening programs
- Industry leading 5-year warranty
- Modified COTs in quantities as low as 100 units

## Military Grade COTS Backed by Award Winning Support

A 35-year history of successful system deployments, platinum service awards, managed growth, loyal customers, and innovative products, has earned VersaLogic a reputation of being the embedded industry’s most reliable and trusted embedded computer supplier. The world’s leading defense and aerospace organizations rely on VersaLogic for rugged, ultra-reliable embedded computing solutions and expert technical support. Partnering with VersaLogic for your embedded computer needs brings you an experienced partner that’s fully committed to the success of your project, from initial development through the extended life of your program.

# Take the Risk out of Embedded Computing

VersaLogic is dedicated to supporting its customers. Whether it's selecting the optimum solution for an application, lending expertise during development, or on-time delivery of defect-free products, VersaLogic is a trusted partner throughout the life of your program.

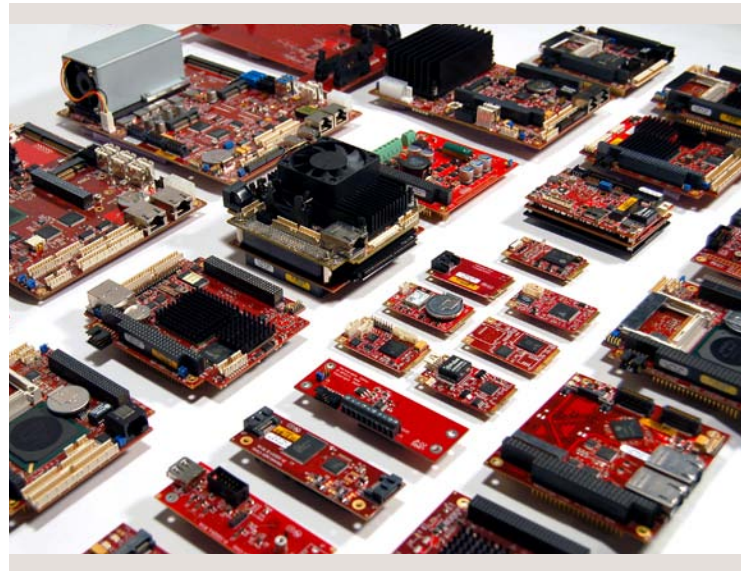
## Ultra Reliable, Long-Life Products

Rugged Embedded Computers, Expansion Modules, and Accessories

For over 35 years, the world's leading OEMs have relied on VersaLogic to reduce the risk and complexity involved in developing and integrating embedded computing solutions.

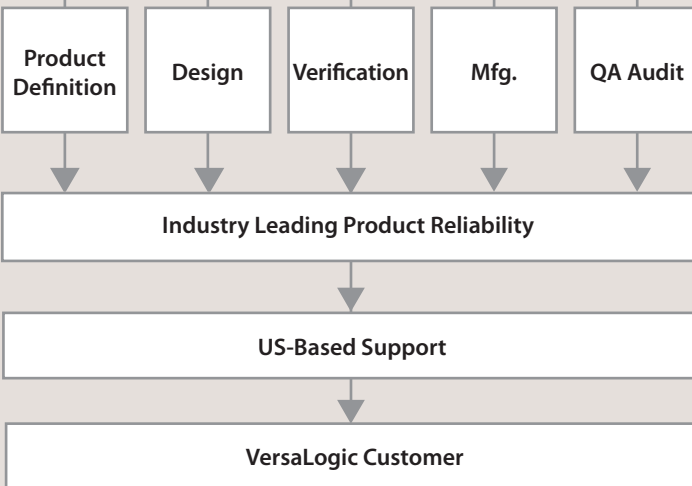
VersaLogic's best-in-class design teams, supply chain management, manufacturing, and quality control processes work together to produce ultra-reliable, long-life products. Available in industry standard form factors, including EBX, EPIC, PC/104, EPU, Mini PCIe, and COM Express, VersaLogic single board computers and I/O expansion solutions are built to perform in the harshest environmental conditions.

For system designers, VersaLogic's wide range of modular board-level products offers lower development costs and faster time-to-market. For supply chain managers, VersaLogic offers the peace of mind of extended product life, 5-year product warranty, off-the-shelf availability, and dependable on-time delivery.



### Quality Management Systems

ISO 9001 : 2008 Certified



### Exceptional Design, Manufacturing, and Test

- Industry leading in-house design expertise
- Leadership in industry forums and standards bodies
- Long-term relationships and early technology access with best-in-class suppliers
- Strict supplier selection criteria and ongoing performance management
- Thorough component qualification and verification processes
- 5°C guard band added to thermal verification testing
- Manufacturing to leading standards including: IPC-A-610, JEDEC STDs, ANSI/ESD-S20.20
- In-house temperature testing and screening
- In-house shock and vibration testing
- Comprehensive document and revision controls
- Locked BOMs and formal ECO process

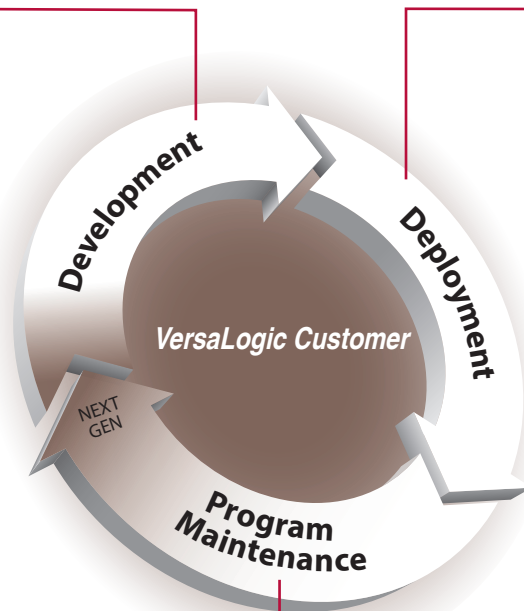


# Partnering with VersaLogic

Experts Supporting You throughout the Life of Your Program

## Save Time, Ease Integration, and Avoid Rework

- Applications engineers to help select an optimum embedded computing solution
- COTS modifications to meet special requirements. Available in quantities as low as 100 units
- Assistance with software drivers, APIs, and OS kernels for common operating systems (Linux, Windows, VxWorks)
- Extensive product documentation and technical KnowledgeBase



## Expert Logistics Support

- Dedicated Account Manager
- On-time delivery
- Quality flow-down support
- Strict product/process change notification
- Samples, emergency spares, and small volume production orders often available from stock

## COTS Modification Services

VersaLogic's COTS embedded computers can be used as-is, or modified to meet a program's unique requirements. COTS modification options include:

### Custom Labeling

QA stamps, bar codes, ESD bags, etc.

### Custom BIOS or PLD Code

Splash screens, special CMOS defaults, fast boot, etc.

### Software Pre-install

OS or customer supplied software images.

### Conformal Coating

Protects against moisture and/or other environmental factors.

### Customized Testing/Screening

Hardware, software, and system testing.

### Component Depopulation

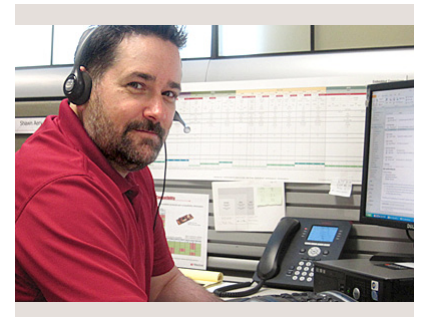
For cost or power reduction initiatives.

### Connector Changes

To accommodate specific cabling needs.

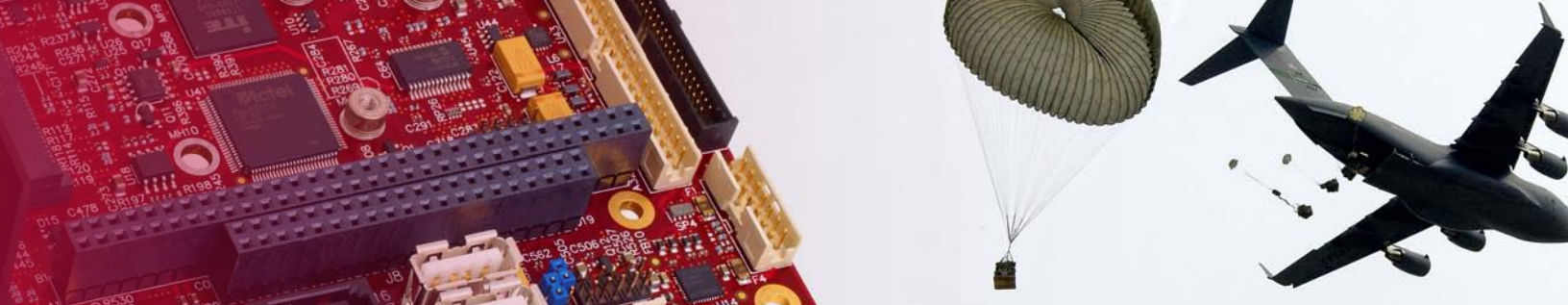
### Custom Documentation

Certifications, customized packaging lists, etc.



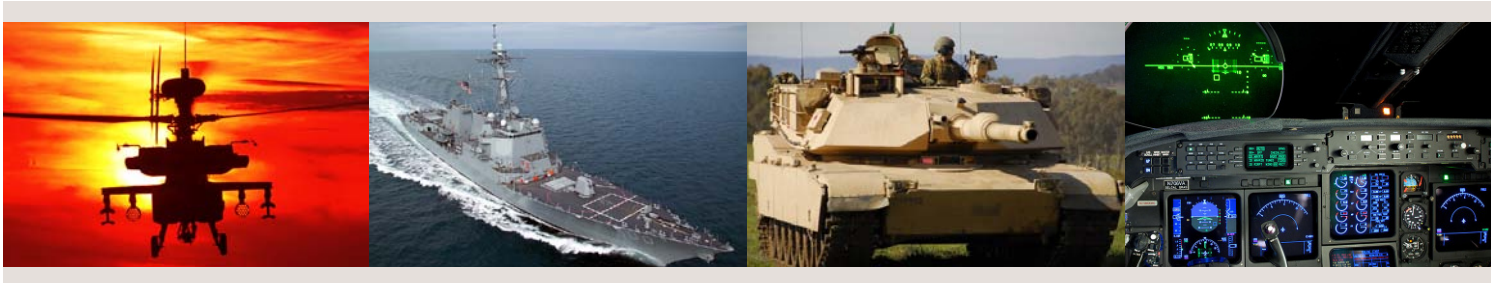
## Extended Life and Fast Problem Resolution

- Industry leading 5-year warranty
- Expert US-based technical support
- 5+ year product life guarantee
- Lifecycle management programs for 10+ year product life



# Trusted in Mission Critical Applications

VersaLogic products are designed to operate in the harshest environments. Below are examples of defense and aerospace programs that have entrusted their computing requirements to VersaLogic.



## Aerospace Systems

- UAV video processing and navigation
- Target recognition/verification
- Video display panels
- Visor mounted heads-up display
- Combat helicopter navigation

## Naval Systems

- Inertial navigation
- Engine monitoring and control
- Intelligent sonar buoy
- Anti-submarine warfare
- Naval communications

## Land Based Systems

- Joint Biological Point Detection System (JBPDS)
- Communications on the Move (COTM) satellite dish control
- Gun turret video control
- Signals intelligence (SIGINT)

## Commercial Avionics

- Radar display
- Aircraft brake testing
- Air traffic management
- Flight simulator control
- Flight control and navigation

## The VersaLogic Commitment

Selecting an embedded computer partner is a critical decision that has a significant impact over the entire life of a program. As a stable, privately held corporation, VersaLogic is unconditionally focused on ensuring customers achieve their program objectives. VersaLogic customers are not short-term engagements, but long-term relationships. When VersaLogic partners with a customer it commits to providing high quality, long-life embedded computing solutions with excellent support, throughout the life of the program. VersaLogic is fully committed to supporting your success.

Contact VersaLogic for assistance with your next project.



Headquartered in Portland, Oregon, VersaLogic Corp. provides US-based design, engineering and technical support.

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