The platform for embedded development from IAR

Why global leaders trust IAR

IAR's platform for embedded development is the backbone of innovation across automotive, industrial automation, medical, IoT, and consumer electronics. With architecture-agnostic solutions, integrated workflows, and a strong focus on security and compliance, it empowers teams to scale development, optimize performance, and deliver high-quality products to market faster and more efficiently.

20+
architectures

40+
years in business

15000+
devices

10
pre-certified standards

Platform highlights

1) Scale development with freedom & flexibility

Enterprise scalability

- Multi-architecture support: Arm, RISC-V, Renesas RX & RL78, AVR, and more
- Unified tools for global teams
- Cloud-native, hybrid, or on-prem enabled workflows

Proven results

- 40% faster platform migration
- Lower costs with flexible deployment

2) Accelerate innovation with code confidence

Integrated solutions

- Code quality: Static & runtime analysis for standard compliance
- Performance: Optimized compilers & debugging tools
- CI/CD automation: Kubernetes, Jenkins, GitLab, GitHub integration

Proven results

- 3.5× faster analysis on Linux-based CI/CD
- Higher productivity with automation

3) Simplify compliance & strengthen security
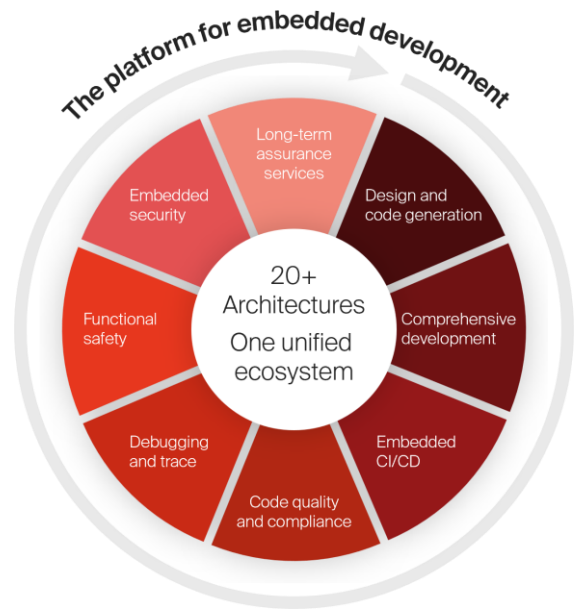
Future-proof development

- Functional safety: TÜV-certified for automotive, medical, industrial automation
- Embedded security: IP protection, authentication, compliance
- Continuous updates for evolving standards

Proven results

- 50% defect cost reduction with compliance tools
- Trusted by leading manufacturers

Value-driven solutions for modern teams

IAR's platform is built on a transformative palette of solutions, enabling end-to-end development from design and code generation to debugging, trace, and compliance. With built-in safety and security for mission-critical applications and scalable automation through CI/CD workflows and code quality tools, it streamlines development and ensures high-quality embedded products.

The platform for embedded development

Long-term assurance services
Embedded security
Design and code generation
Functional safety
Comprehensive development
20+ Architectures One unified ecosystem
Debugging and trace
Embedded CI/CD
Code quality and compliance

Key benefits across key industries

Automotive & industrial applications

✓ Streamline compliance with ISO 26262 and IEC 61508 standards using TÜV SÜD-certified tools.

✓ Improve safety-critical system performance with runtime error detection and static code analysis.

Medical devices & healthcare solutions

✓ Ensure patient safety and data protection with secure boot and encrypted firmware updates.

✓ Meet compliance requirements for FDA Class II/III devices and the EU Cyber Resilience Act.

IoT and smart devices

✓ Scale IoT deployments with cross-architecture support for Arm, RISC-V, AVR, Renesas, and more.

✓ Simplify large-scale deployments with automated CI/CD workflows optimized for IoT ecosystems.

What sets IAR's platform apart?

1. Unified ecosystem – One platform for coding, debugging, analysis, and deployment.

2. Multi-architecture flexibility – Develop across multiple processors and systems.

3. Functional safety compliance – Pre-certified tools for safety-critical development.

4. Enterprise-grade security – Built-in IP protection, encryption, and secure boot.

5. Scalability – Grows with your business across teams and geographies.

Next steps

Transform your development workflows with IAR —whether for safety-critical systems, IoT security, or faster time-to-market.

Contact us to learn more at iar.com.

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