IAR Visual State v11.2.3

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IAR Visual State is a software development tool that assists engineers in creating and developing embedded software based on visual state machine diagrams rather than simply writing all the code. This graphical manner simplifies the ability to comprehend the manner in which the system acts, convey concepts within a team, and modify design iterations in the development procedure.

Due to the visual representation of the logic, **IAR Visual State** is easier to maintain and reuse. The same design can be used in similar products in a short amount of time, as teams can promptly apply the same design and save time, as well as maintain uniformity. The high-integrity and safety-critical systems are also supported with the tool by producing clean and standards-compliant code and automatically verifying the presence of logical design problems that would otherwise remain undetected.

The code that is generated is portable and can be run on a large variety of hardware platforms with any standard C or C++ compiler or with C# and Java options. It is highly adaptable and can be used in most embedded applications, and it enables organizations to develop effectively in large numbers of devices and product lines.

Key Features of **IAR Visual State** :

1. **RTOS Friendly** – The generated code works smoothly with real-time operating systems and can be mapped to different system tasks.
2. **Two Code Output Options** – You can choose between readable source code or compact table-based code optimized for speed and memory.
3. **Execution Simulation** – A built-in simulator lets you visualize and debug state machine behavior before deployment.
4. **Formal Verification** – The tool automatically detects unreachable states, dead-ends, and design flaws to improve reliability.
5. **Product Variant Support** – You can manage multiple product versions from one shared model without rewriting the design.

版本列表

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