

Function Comparison EasyCODE C/C++

	V6.8	V7.5	V8	V8.7	9.2
Editor					
Generate code from structure diagrams	✓	✓	✓	✓	✓
Generate structure diagrams from source files	✓	✓	✓	✓	✓
Edit in structure diagrams	✓	✓	✓	✓	✓
Drag & drop	✓	✓	✓	✓	✓
Duplicate / copy	✓	✓	✓	✓	✓
Structure diagram element for pre-processor instructions	x	✓	✓	✓	✓
Comment out source code	x	✓	✓	✓	✓
Debug interface(s)	1	3	4	4	5
Suppress EasyCODE comments	x	✓	✓	✓	✓
Configurable metrics visualization	x	✓	✓	✓	✓
Copy structure diagrams using the clipboard	✓	✓	✓	✓	✓
Colored background	x	✓	✓	✓	✓
Rows and layer numbers	✓	✓	✓	✓	✓
Bookmarks	x	✓	✓	✓	✓
Tool tips (pop-ups)	x	✓	✓	✓	✓
Split windows with drag & drop functionality	x	✓	✓	✓	✓
Extended comment elements	x	x	✓	✓	✓
Superimposition of the next layer	x	x	✓	✓	✓
Temporary masking	x	x	✓	✓	✓
Color selection for fonts and elements	✓	✓	✓	✓	✓
Positioning cursor on references/definitions	x	✓	✓	✓	✓
Enhanced troubleshooting for structure and syntax errors	x	x	✓	✓	✓
Structure list	✓	✓	✓	✓	✓
Export contents of the output window	x	✓	✓	✓	✓
Program coupling (command line call for external programs)	✓	✓	✓	✓	✓
Definable source code formatting (Pretty Printer)	x	✓	✓	✓	✓
Undo / redo for multiple operations	x	✓	✓	✓	✓
Search and replace in selected segments	x	✓	✓	✓	✓
Search directories	x	✓	✓	✓	✓
Global replace function for directories	x	x	✓	✓	✓
Search in projects	x	✓	✓	✓	✓
Search for arbitrary structure diagram elements	x	x	x	✓	✓
Condensed dialog windows for saving files	x	x	x	✓	✓
Switch between the text and structure diagram views	x	x	✓	✓	✓
Convert text into structure diagrams	x	x	✓	✓	✓
Overview window for open files	x	✓	✓	✓	✓
Define write-protected areas	x	✓	✓	✓	✓
Configurable macro-coding	x	✓	✓	✓	✓
Incremental save function	x	x	x	✓	✓
Exit edit mode with CTRL+Enter	x	x	x	✓	✓
Improved & more detailed error messages / alerts	x	x	x	✓	✓
Configurable overwrite mode	x	✓	✓	✓	✓

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Print structure diagrams	✓	✓	✓	✓	✓
Print preview	x	✓	✓	✓	✓
Modify size on page	✓	x	x	x	x
Structure diagram zoom function	x	✓	✓	✓	✓
User-defined page size	x	✓	✓	✓	✓
Width restriction for structure diagrams	x	✓	✓	✓	✓
Variable orientation for structure diagrams	x	✓	✓	✓	✓
Unlimited displayable size for structure diagrams	x	✓	✓	✓	✓
Automatic code completion	x	x	x	✓	✓
Better rate of recognition for code completion	x	x	x	x	✓
Performance optimized code completion	x	x	x	x	✓
EasyCODE setup usable in silent installation mode	x	x	x	x	✓
Improved level technology	x	x	x	x	✓
Startup window with quick access to many core functions	x	x	x	x	✓
New, application-integrated configuration tool	x	x	x	x	✓
Count of selectable GUI designs	1	1	1	1	15
New docking behavior	x	x	x	x	✓
User Interface with fresh and modern look & feel	x	x	x	x	✓
Modernized toolbars, dialogues and menus	x	x	x	x	✓
UML Icons in Structograms	x	x	x	x	✓
Breadcrumb Navigation	x	x	x	x	✓

Statecharts

Create statecharts	x	x	✓	✓	✓
Insert statecharts in structure diagrams as switches	x	x	✓	✓	✓
Generate C++ source code from statecharts	x	x	✓	✓	✓
Generate C source code from statecharts	x	x	✓	✓	✓
XML export for statecharts	x	x	✓	✓	✓
Editable templates for generating source code	x	x	✓	✓	✓
Use multiple statecharts in a single project	x	x	✓	✓	✓
Interlink charts and source code sections	x	x	✓	✓	✓
Convert switches (restricted) into statecharts	x	x	✓	✓	✓
Statechart zoom function	x	x	✓	✓	✓
Simulate state machines	x	x	✓	✓	✓
Print statecharts	x	x	✓	✓	✓
Junction Pseudo State	x	x	x	✓	✓
Structure list	x	x	x	✓	✓
List box for editing events, guards and actions	x	x	x	✓	✓
Clipboard Operations	x	x	x	✓	✓
Description and ID for states and transitions	x	x	x	✓	✓
Grid lines to help move states and change their variables	x	x	x	✓	✓
Send signals from one statechart to another one	x	x	x	✓	✓
Automatic code generation for all the statecharts in your project	x	x	x	✓	✓
Generate source code using configurable creation steps	x	x	x	✓	✓
Automatically add the generated source code files to your project	x	x	x	✓	✓
Fully automatic creation of a simulation application	x	x	x	✓	✓
Control the simulation using the <i>SimulationController</i>	x	x	x	✓	✓
Generate code from multiple statecharts in a single file	x	x	x	✓	✓
Capable of regenerating specific sections of existing files	x	x	x	✓	✓
Integration of other statecharts as sub-machines	x	x	x	✓	✓
Convenient free-hand draw function for transitions	x	x	x	✓	✓

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Improved list box for editing events, guards and actions	x	x	x	✓	✓
Automatical plausibility check	x	x	x	✓	✓
Scripts for code generation in C# and XSLT	x	x	x	✓	✓
Each statemachine owns an optional data object „me.extra“	x	x	x	x	✓
Improved editing	x	x	x	x	✓
Easy creation of statechart projects	x	x	x	x	✓
Statechart animation controllable by embedded target, debug data can be received via UART interface or via file	x	x	x	x	✓
Project Environment					
Create projects	x	✓	✓	✓	✓
Add files to projects	x	✓	✓	✓	✓
Import projects from directories	x	✓	✓	✓	✓
Import project structures	x	✓	✓	✓	✓
Freely definable filters for integration	x	✓	✓	✓	✓
Merge with existing project structures	x	✓	✓	✓	✓
Work with virtual folders	x	✓	✓	✓	✓
Description editor for folders and files	x	✓	✓	✓	✓
Editable labels for folders and files	x	✓	✓	✓	✓
Sort function for folders and files	x	✓	✓	✓	✓
Display module-related information (pop-ups)	x	✓	✓	✓	✓
Map applications to file types	x	✓	✓	✓	✓
Move files to change the project structure	x	✓	✓	✓	✓
Modify file properties (write protection, hide, etc.)	x	✓	✓	✓	✓
Associate file types with applications	x	✓	✓	✓	✓
Open files with each associated application	x	✓	✓	✓	✓
Automatic code generation for all the statecharts in your project	x	x	x	✓	✓
Generate source code using configurable creation steps	x	x	x	✓	✓
Automatically add the generated source code files to your project	x	x	x	✓	✓
Manual project-wide adaption of paths and directories	x	x	x	✓	✓
Import function for create configurations	x	x	x	✓	✓
New create steps for ETF-files	x	x	x	✓	✓
Automatic create steps for statecharts	x	x	x	✓	✓
More automatic create steps for <i>Keil μVision</i>	x	x	x	✓	✓
File paths can be saved relative to the project file	x	x	x	✓	✓
Copy create steps from other projects	x	x	x	✓	✓
Standard filter for C/C++ files when opening new projects	x	x	x	✓	✓
Project Browser					
Warning about missing includes	x	✓	✓	✓	✓
Warning about multiple use of symbols	x	✓	✓	✓	✓
Warning about identically named macros	x	✓	✓	✓	✓
Record module-specific metrics	x	✓	✓	✓	✓
Record comments for documentation	x	✓	✓	✓	✓
Create subsystems from directory structures	x	✓	✓	✓	✓
Evaluate pre-processor instructions	x	✓	✓	✓	✓
Incremental update of browser information after making changes	x	✓	✓	✓	✓
Automatic update of browser information when saving	x	✓	✓	✓	✓
Project-specific search function	x	✓	✓	✓	✓
Link (marker) with elements for analysis purposes	x	✓	✓	✓	✓

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Browser Views					
File-related:					
View used includes and macros, defined functions, data, classes and types	x	✓	✓	✓	✓
Function-related:					
View calling functions, called UPs and libraries; read, written and used data	x	✓	✓	✓	✓
Data-related:					
View usage and access type (read, write, etc.) with function	x	✓	✓	✓	✓
Type-related:					
View user with return value and data definition	x	✓	✓	✓	✓
Macro-related:					
View used source files and functions	x	✓	✓	✓	✓
List function for includes:					
View users and used includes	x	✓	✓	✓	✓
List function for library routines:					
View calling functions	x	✓	✓	✓	✓
In info tips:					
Module statistics, definition type, attributes, object type	x	✓	✓	✓	✓
Compiler Interface					
Create new configurations	x	✓	✓	✓	✓
Import existing configurations	x	✓	✓	✓	✓
Duplicate existing configurations	x	✓	✓	✓	✓
Use macros	x	✓	✓	✓	✓
Arbitrary number of creation steps	x	✓	✓	✓	✓
Definable association of creation steps	x	✓	✓	✓	✓
Ready-to-use macros for creation steps	x	✓	✓	✓	✓
Redirect compiler messages to the output window	x	✓	✓	✓	✓
Position compiler messages at source code lines	x	✓	✓	✓	✓
Use different compilers in a single project	x	✓	✓	✓	✓
Use different configurations in a single project	x	✓	✓	✓	✓
Optional Project Tools					
Document Generator	x	✓	✓	✓	✓
Quality	x	✓	✓	✓	✓
Version	x	✓	✓	✓	✓
Additional Stuff					
Supports Windows Vista	x	x	✓	✓	✓
Debug Interface for Keil µVision	x	✓	✓	✓	✓
Eclipse-Integration	x	x	✓	✓	✓
Integration for Microsoft Source-Safe	x	x	✓	✓	✓
Integration for Subversion	x	x	✓	✓	✓
Supports Windows 7	x	x	x	✓	✓
Supports Keil µVision 3 and 4	x	x	x	✓	✓
Debug interface (plugin) for Microchip MPLAB X IDE	x	x	x	x	✓
Supports Windows 8	x	x	x	x	✓
Integration of Microsoft Team Foundation Server (version control system)	x	x	x	x	✓
Doxygen integration	x	x	x	x	✓