

Products/*fuzzy*TECH Editions/**Editions Overview**

- [General Purpose *fuzzy*TECH Edition](#)
The *fuzzy*TECH Professional Edition generates portable C code for any hardware supporting a C compiler. The edition also comprise ready-to-use runtime modules.

Further down on this page you find detailed [Technical Specifications](#) for all Editions.

General Purpose *fuzzy*TECH Edition

- ***fuzzy*TECH Professional Edition**
The universal fuzzy logic design system for all technical application areas. The *fuzzy*TECH Professional Edition generates systems which can be remotely optimized "on-the-fly" ([Online Debugging](#)). The fuzzy logic system is designed, tested, and generated as C code on the PC. Then, the C code is implemented and started on the target hardware. *fuzzy*TECH can communicate bi-directionally with the implemented code on the target system at any time via a serial cable, TCP/IP or another communication link. The edition lets you export your fuzzy logic system as a plug-in runtime module for PC-based applications. Generates portable C code that can be flexibly adapted to any target hardware and deploys fuzzy logic runtime systems as DLL and ActiveX modules. The superior efficiency of *fuzzy*TECH's code allows for its use in fast real-time control systems. By supporting advanced fuzzy logic inference methods (compensatory operators, fuzzy associative maps, s-shape membership functions, arbitrary membership functions...), the *fuzzy*TECH Professional Edition is also ideal for complex fuzzy logic applications. The Professional Edition also allows [Online](#) debugging with the PC-based runtime modules.

The Edition also support the special "plug-and-play" type runtime modules provided for specific process control software such as InTouch™, FactoryLink™, TheFIX™, Genesis™, and WinCC™. In addition to the M source code generation provided by every *fuzzy*TECH Edition, the *fuzzy*TECH Professional Edition also contain a MEX runtime module that provides high-performance computation of fuzzy logic systems in the Matlab/Simulink™ environment. *N.B.: Starting with release 5.0, the *fuzzy*TECH Professional Edition replaces the *fuzzy*TECH Precompiler Edition.*

- ***fuzzy*TECH Professional Edition:** For Structured Text by the IEC 61131-3 standard for CoDeSys.

Technical Specifications

The following tables provide a summary of the various *fuzzy*TECH Editions specifications. For a detailed explanation of the terminology used here, download and install the *fuzzy*TECH [Demo](#) from the Download section and use the index function of its Online Help System.

Overview

*fuzzy*TECH is available in different editions to provide the most comprehensive support for your target platform and application area. Due to differences in the capabilities of the supported hardware platforms, technical restrictions apply to the size of the fuzzy systems. The following table shows an overview of the maximum number of interfaces, variables, terms, rule blocks and rules for the different *fuzzy*TECH Editions. A "-" sign indicates that no practical limit exists. The total number of **Variables (Total)** represent the number of input, output and intermediate variables of the entire fuzzy logic system. The columns **Input** and **Output** show the maximum amount of input and output variables. **Terms per Variable** relates to the total number of terms for each variable. The column **Total Terms** shows the maximum number of terms that may occur in one fuzzy logic project. The **Rules** sections shows the maximum total number of **Rule**

Blocks and **Rules** that a fuzzy logic project may contain, as well as the maximum total number of input variables (**Inputs per RB**) and output variables (**Outputs per RB**) that can be assigned to a rule block.