ARTX-166 Advanced RTOS
Product Overview

ARTX-166 is an advanced real-time kernel for the Infineon XC16x and C16x as well as the STMicroelectronics ST10 families of microcontrollers. It is designed to solve several problems in embedded programs:

- **Multitasking** allows you to manage several jobs (tasks) on a single CPU.
- **Real-time Control** allows you to configure tasks so that operations execute within a defined period of time. You have control over task priorities, round-robin, preemptive context switching, and support for multiple instances of the same task function.
- **Flash File System** allows you to create, save, read and modify files stored on a standard Flash memory device.
- **TCP/IP Networking** is a ground-up implementation specifically designed for embedded applications. It helps you to create TCP/IP solutions that connect to standard internet browsers.

While it is possible to implement an embedded program without using a real-time kernel, a proven kernel like ARTX saves time and makes software development easier.

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