

## Software PLC/ NC/ CNC/ Vision/ Machine Learning

### TwinCAT 3

## Real-time control system in PC base system TwinCAT®3 Software PLC/ NC/ CNC/Vision/Machine Learning



### Features

#### 1 IEC 61131-3 3rd edition

Integration of Microsoft Visual Studio Support for IEC61131-3 (IL, ST, FBD, LD, SFC) +CFC and object-oriented extension of the 3rd edition

Supports simultaneous editing of IEC61131 and C/C++ language



#### 2 Development environment

Support for C/C++, real-time environment in MATLAB®/Simulink®, programming in .NET/C#.

#### 3 Link to MATLAB®/Simulink®

Link to MATLAB®/Simulink® optimizes development and simulation



#### 4 Supports advanced technologies such as real-time Vision and Machine Learning (ML)

We support the implementation of advanced technologies such as TwinCAT Vision, which realizes real-time control using image data taken by a camera, and TwinCAT ML, which can import machine learning results as a real-time execution function.

#### 5 Multi-core CPU support

By assigning different functions to each core, you can maximize the performance of the multi-core CPU.

- PC base controller with TwinCAT supporting multicore maximizes EtherCAT performance
- Compact controller on DIN rail (CX5100 series)
- TwinCAT PLC processes minimum 50 µs real-time task, and controls motion system in minimum 125 µs

## Industrial PC

### C6015 / C6030

## The Ultra Compact IPC Generation



### Features

C6015: Ultra small

C6030: Ultra powerful

### System Configuration



### Sales area

Local support: Japan, China, Korea, south-eastern Asia, Europe, the Americas, etc. More than 75 countries

### For more information

URL : <http://www.beckhoff.co.jp>



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