



TX1000 | TwinCAT CP

TwinCAT CP is a driver for the Beckhoff Control Panels CP6xxx and CP7xxx, the industrial operating and display devices.

Control Panels are optimised for use as a human-machine interface. Operating and display elements create an independent unit, separated from the PC by a simple cable link.

TwinCAT CP creates the driver connection between general Windows programs and the operating and display elements on the Beckhoff Control Panel:

- direct switches for fast machine functions
- switch feedback by LEDs
- UPS support

The driver permits variable-oriented operation of the Control Panel's functions by the Windows programs.



Technical data	TX1000 TwinCAT CP
PC hardware	standard PC/IPC hardware, no extras
Operating systems	version-dependent: Windows 7/10, Windows CE
Real-time	Beckhoff real-time kernel as a component of TwinCAT
User program	User program running in user mode which can, for instance, run cyclically as a multimedia task ("soft" real-time). Access to the I/O process image is provided via cyclical calls of DLL functions.
Memory	only limited by the size of the computer's RAM
Programming	application program in any high-level language, e.g. C++, Delphi
Debugging	via the standard debugging tools of the high-level language used
I/O system	keys, LEDs and UPS functionality of the Beckhoff CP6xxx, CP7xxx Control Panels together with the Beckhoff CP9030/CP9035 plug-in card
Connectivity	OPC, Beckhoff ADS OCX/DLL (Automation Device Specification)

Ordering information	
TX1000	license for using the driver for the Beckhoff Control Panel, providing communication with general Windows programs