

TwinCAT PLC	TwinCAT	Программное обеспечение TwinCAT PLC: Licence for usage of an IEC 61131-3 PLC automation software for Windows NT/2000/XP:
TwinCAT NC PTP	TwinCAT	Программное обеспечение TwinCAT NC PTP: Licence for usage of a PTP positioning software for Windows NT/2000/XP with integrated IEC 61131-3 PLC
TwinCAT NC I	TwinCAT	Программное обеспечение TwinCAT NC I: Licence for usage of an interpolation and PTP positioning software for Windows NT/2000/XP with integrated
TwinCAT CNC	TwinCAT	Программное обеспечение TwinCAT CNC: Licence to use a CNC path control software for Windows NT/2000/XP TwinCAT CNC includes TwinCAT PLC, TwinCAT NC PTP and TwinCAT NC I.
TwinCAT CNC Axes Pack	TwinCAT	Программное обеспечение TwinCAT CNC Axes Pack: Licence to use a TwinCAT CNC implementation level
TwinCAT CNC Channel Pack	TwinCAT	Программное обеспечение TwinCAT CNC Channel Pack: Licence to use a TwinCAT CNC implementation level
TwinCAT CNC Transformation	TwinCAT	Программное обеспечение TwinCAT CNC Transformation: Licence to use a TwinCAT CNC implementation level for using additional transformation functions (5-axis functionality)
TwinCAT CNC HSC Pack	TwinCAT	Программное обеспечение TwinCAT CNC HSC Pack: Licence to use a TwinCAT CNC implementation level for HSC (high-speed cutting) functionality. – velocity and acceleration control across blocks for optimum utilisation of axis dynamics and therefore higher achievable path velocities – high surface quality through smoothed dynamics and associated reduction of vibrational excitation of the machine – effective control of specified contour tolerances – path programming via splines with programmable spline type (Akima spline, B-spline) for reduction of NC blocks for free-form surfaces Licence for one CPU. The licence agreements for Beckhoff software products apply.
TwinCAT I/O	TwinCAT	Программное обеспечение TwinCAT I/O: Licence for usage of a I/O DLL for Windows NT/2000/XP for data exchange with Windows programs: TwinCAT I/O is a driver for different fieldbus systems and fieldbus cards from Beckhoff and other manufactureres.
TwinCAT CP	TwinCAT	Программное обеспечение TwinCAT CP: TwinCAT CP is a driver for the Beckhoff Control Panel. The Control Panels are human machine interfaces (HMI) optimised for the industrial environment, combining the display screen and operator keys in one unit, connected to the Industrial PC only by a pair of coaxial cables.
TwinCAT ECAD Import	TwinCAT	Программное обеспечение The TwinCAT ECAD Import tool completes the engineering chain: Everything happens automatically without user intervention, from electrical design to PLC projects. The achievable reduction in input

		and transmission errors ultimately also reduces costs.
TwinCAT Engineering Interface Server	TwinCAT	Программное обеспечение The TwinCAT Engineering Interface Server enables a TwinCAT PLC control to access a source code management database.
TwinCAT XML Data Server	TwinCAT	Программное обеспечение The TwinCAT XML Data Server enables initialising of TwinCAT PLC variables with data stored in a XML file, or saving of PLC data in XML format. The structure of a variable in the XML document matches the structure of the variables in the PLC. There are two function blocks for reading variables from the XML file
TwinCAT XML Data Server CE	TwinCAT	Программное обеспечение The TwinCAT XML Data Server CE enables initialising of TwinCAT PLC variables with data stored in a XML file, or saving of PLC data in XML format. The structure of a variable in the XML document matches the structure of the variables in the PLC. There are two function blocks for reading variables from the XML file
TwinCAT Backup	TwinCAT	Программное обеспечение TwinCAT Backup is a server for backing up and restoring complete PCs that already have an operating system installed. The scope of supply includes a backup component and a restore component. Features of TwinCAT Backup
TwinCAT Simulation Manager	TwinCAT	Программное обеспечение The TwinCAT Simulation Manager is a real-time simulation solution, which integrates perfectly into the TwinCAT system environment. The TwinCAT Simulation Manager supports the creation of a "virtual machine", which corresponds to the real machine in its performance characteristics. Due to the integration of the simulation in the real-time system, even real-time-critical requirements can be realised (real-time simulation).
TwinCAT Database Server	TwinCAT	Программное обеспечение TwinCAT Database Server: The TwinCAT Database Server offers a connection between TwinCAT PLC and database applications. Data can be logged from the PLC in various database formats or read from the database and made available in the PLC. Different database variants are available: – SQL Mobile database, SQL, Access – ASCII file (e.g. for Excel) The TwinCAT Database Server enables: – cyclical logging of PLC values, – cyclical checking of PLC values and logging of modified values only, and – logging of event-driven data from the PLC cycle via a function block. The “TwinCAT Database Server” is configured with the aid of an XML file or at run-time from the PLC using function blocks. This configuration file describes the required databases, ADS devices (e.g. PLC run-time systems), and variables. Licence for one CPU. The licence agreements for Beckhoff software products apply.
TwinCAT Database Server CE	TwinCAT	Программное обеспечение TwinCAT Database Server CE: The TwinCAT Database Server offers a connection between

		<p>TwinCAT PLC and database applications. Data can be logged from the PLC in various database formats or read from the database and made available in the PLC. Different database variants are available: - SQL Mobile database - ASCII file (e.g. for Excel) The TwinCAT Database Server enables: - cyclical logging of PLC values, - cyclical checking of PLC values and logging of modified values only, and - logging of event-driven data from the PLC cycle via a function block Configuration of the TwinCAT Database Server CE is based on an XML file. This configuration file describes the required databases, ADS devices (e.g. PLC run-time systems), and variables. Licence for one CPU. The licence agreements for Beckhoff software products apply.</p>
TwinCAT PLC HMI	TwinCAT	<p>Программное обеспечение Via TwinCAT PLC HMI the visualisation integrated in TwinCAT PLC Control can be run as a stand-alone application under Windows NT/2000/XP. On start-up, the TwinCAT PLC HMI tool offers a full-screen display of the visualisation created with TwinCAT PLC Control. To this end, the tool only requires access to the PLC project. All visualisation features such as placeholder concept, KeyPad, NumPad, password protection, etc. can be used. Licence for one CPU. The licence agreements for Beckhoff software products apply.</p>
TwinCAT PLC HMI CE	TwinCAT	<p>Программное обеспечение TwinCAT PLC HMI CE: TwinCAT PLC HMI CE enables the visualisation integrated in TwinCAT PLC Control to be run as a stand-alone application under Windows CE. On start-up the TwinCAT PLC HMI CE tool offers a full-screen display of the visualisation created with TwinCAT PLC Control. Licence for one CPU. The licence agreements for Beckhoff software products apply.</p>
TwinCAT Management Server	TwinCAT	<p>Программное обеспечение TwinCAT Management Server: The TwinCAT Management Server enables the central administration of Beckhoff controllers: - loading of software updates - updating of operating systems - loading of device-specific components (PLC boot project) Licence for one CPU. The licence agreements for Beckhoff software products apply.</p>
TwinCAT Scope 2	TwinCAT	<p>Программное обеспечение TwinCAT Scope 2: A scope is indispensable for the optimisation of controllers and the adjustment of axes. In order to be able to use the extended graphic features of new PC generations and also to have the option of extension, the TwinCAT Scope has been developed. - Logger and Viewer are separate. - The Logger records the data from different channels with a time stamp and saves the data intermediately. - The Logger may be installed on a CE target. - The data can come from different ADS devices. - The Viewer fetches the data from the Logger</p>

		by means of ADS and displays it. - The configuration of the Scope is also carried out in the Viewer. - An assistant supports the search for variables to be recorded. Following selection of the controller, it is possible to browse inside the corresponding PLC. - Individual variables can simply be selected. - The Viewer uses DirectX for displaying. Licence for one CPU. The licence agreements for Beckhoff software products apply.
TwinCAT EtherCAT Redundancy 250	TwinCAT	Программное обеспечение TwinCAT EtherCAT Redundancy 250: The EtherCAT fieldbus can be operated with cable redundancy. The EtherCAT master must be configured accordingly. TwinCAT EtherCAT Redundancy extends the TwinCAT EtherCAT master with redundancy capability. Licence for using EtherCAT redundancy mode under TwinCAT for up to 250 slaves. The licence agreements for Beckhoff software products apply.
TwinCAT EtherCAT Redundancy 1000	TwinCAT	Программное обеспечение TwinCAT EtherCAT Redundancy 1000: The EtherCAT fieldbus can be operated with cable redundancy. The EtherCAT master must be configured accordingly. TwinCAT EtherCAT Redundancy extends the TwinCAT EtherCAT master with redundancy capability. Licence for using EtherCAT redundancy mode under TwinCAT for up to 1000 slaves. The licence agreements for Beckhoff software products apply.
TwinCAT EtherCAT Redundancy 1000+	TwinCAT	Программное обеспечение TwinCAT EtherCAT Redundancy 1000+: The EtherCAT fieldbus can be operated with cable redundancy. The EtherCAT master must be configured accordingly. TwinCAT EtherCAT Redundancy extends the TwinCAT EtherCAT master with redundancy capability. Licence for using EtherCAT redundancy mode under TwinCAT for more than 1000 slaves. The licence agreements for Beckhoff software products apply.
TwinCAT PROFINET IO Controller	TwinCAT	Программное обеспечение TwinCAT PROFINET IO controller (master): - PROFINET IO controller interface to a TwinCAT control with RT Ethernet interface - PROFINET-IO-Controller Interface to a TwinCAT control with an EL6631 in an EtherCAT network - integration of PROFINET IO devices via GSMDL files Licence for one CPU. The licence agreements for Beckhoff software products apply.
TwinCAT PROFINET IO Controller CE	TwinCAT	Программное обеспечение TwinCAT PROFINET IO controller CE (master): - PROFINET IO controller interface to a TwinCAT control with RT Ethernet interface - PROFINET-IO-Controller Interface to a TwinCAT control with EL6631 in an EtherCAT network - integration of the PROFINET IO devices via GSDML files Licence for one CPU. The licence agreements for Beckhoff software products apply.

TwinCAT PROFINET IO Device	TwinCAT	Программное обеспечение TwinCAT PROFINET IO device (slave): - PROFINET IO device interface to a TwinCAT control - integration of a PROFINET IO controller via a GSDML file - features of the PROFINET IO device interface: - variable input and output data configurable - connection to the RT Ethernet interface from TwinCAT - connection to the EL6631 from EtherCAT Licence for one CPU. The licence agreements for Beckhoff software products apply.
TwinCAT PROFINET IO Device CE	TwinCAT	Программное обеспечение TwinCAT PROFINET IO device (slave): - PROFINET IO device interface to a TwinCAT control - integration of a PROFINET IO controller via a GSDML file - features of the PROFINET IO device Interface: - variable input and output data configurable - connection to the RT Ethernet interface from TwinCAT - connection to the EL6631 from EtherCAT Licence for one CPU. The licence agreements for Beckhoff software products apply.
TwinCAT EtherNet/IP Slave	TwinCAT	Программное обеспечение TwinCAT EtherNet/IP Slave: - EtherNet/IP slave interface to a TwinCAT control - features of the EtherNet/IP slave interface: - variable input and output data configurable - connection to the RT Ethernet interface from TwinCAT Licence for one CPU. The licence agreements for Beckhoff software products apply.
TwinCAT EtherNet/IP Slave CE	TwinCAT	Программное обеспечение TwinCAT EtherNet/IP Slave CE: - EtherNet/IP slave interface for a TwinCAT Control - features of the EtherNet/IP slave interface: - variable input and output data configurable - connection to the RT Ethernet interface from TwinCAT Licence for one CPU. The licence agreements for Beckhoff software products apply.
TwinCAT PLC Hydraulic Positioning	TwinCAT	Программное обеспечение TwinCAT PLC Hydraulic Positioning Licence for using an IEC 61131-3 software library for TwinCAT PLC for positioning of hydraulic axes. Comprehensive PLC module libraries for positioning and pressure control of hydraulic axes.
TwinCAT NC FIFO Axes	TwinCAT	Программное обеспечение TwinCAT NC FIFO Axes: Licence for usage of this IEC 61131-3 library for TwinCAT PLC for the programming of the FIFO functionality for axes movement. With this library, the user can create his own position-based setpoint generator for axes. The number of axes concurrently driven by FIFO table setpoint generation axis is limited by the magnitude of the main CPU only.
TwinCAT NC Flying Saw	TwinCAT	Программное обеспечение TwinCAT NC Flying Saw: Licence for usage of this IEC 61131-3 library for TwinCAT NC for the programming of the flying saw (flying shear) functionality. With this library it is possible to start a slave axis in such a way, that it synchronises with a master axis by position and velocity or by velocity only. The slave axis

		performs a „catch and cling“ motion towards the master axis.
TwinCAT PLC Remote Synchronisation	TwinCAT	Программное обеспечение TwinCAT PLC Remote Synchronisation: Licence for using the TwinCAT PLC Remote Synchronisation PLC library. Synchronisation of real-time system without identical time base will lead to beat effects. The TcSyncRemote.lib PLC library offers options for general time synchronisation of information in distributed systems, and special techniques for synchronising NC axes.
TwinCAT NC Camming	TwinCAT	Программное обеспечение TwinCAT NC Camming: Licence for usage of the IEC 61131-3 library for TwinCAT PLC for the programming of the NC Camming (table coupling) functionality. With the functions of this library it is possible to move a slave axis in dependency to a master axis. Thus it is possible to implement the functionality of a cam disc in software. The only limit for the number of slave axes is CPU performance.
TwinCAT Cam Design Tool	TwinCAT	Программное обеспечение TwinCAT Cam Design Tool: Graphic design tool for electronic camshafts. Camshafts provide the position context between a master axis and one or several slave axes. The dynamics of the slave axes will result from the motion of the master axis. Characteristics of the design tool: - interactive design according to VDI 2143 guideline - Camshafts are defined as motion sections (e.g. modified sine, polynomial functions, ...). - graphic and tabular display of the dynamic slave values (velocity, acceleration, jerk) - interactive mouse-based editing of a curve with automatic recalculation of the other curves - comfortable editing options (sector zooming, panning, condensed view,...) - reading of existing camshafts with subsequent calculation of the derivatives - tabular export of the camshafts to files or direct download into the real-time TwinCAT environment Licence for one CPU. The licence agreements for Beckhoff software products apply.
TwinCAT Digital Cam Server	TwinCAT	Программное обеспечение TwinCAT Digital Cam Server: Fast cam shaft software device for TwinCAT. The cam shaft is fully configurable by TwinCAT System Manager. Communication with TwinCAT PLC is done via cyclic I/O images and via ADS (Automation Device Specification).
TwinCAT Valve Diagram Editor	TwinCAT	Программное обеспечение TwinCAT Valve Diagram Editor: Graphics-oriented editor for designing the characteristic curve of a hydraulic valve. The Valve Diagram Editor is integrated into the TwinCAT System Manager. The characteristic curves can be used directly in the TwinCAT real-time environment. Characteristics of the design tool: - interactive design of the characteristic linearisation curves - graphic and tabular display of the values - interactive mouse-supported curve editing - comfortable editing options (sector zooming, panning, condensed view,...) - reading of existing

		measurement values, which can be placed in the background when constructing a new curve - direct downloading into the TwinCAT real-time environment (automatic at system start-up) Licence for one CPU. The licence agreements for Beckhoff software products apply.
TwinCAT PLC Serial Communication	TwinCAT	Программное обеспечение TwinCAT PLC Serial Communication: Licence for usage of the IEC 61131-3 software library for TwinCAT PLC for communication over serial Bus Terminals or PC COM ports: - Library with communication routine for communication over serial Bus Terminals and PC COM ports
TwinCAT PLC Serial Communication 3964R/RK512	TwinCAT	Программное обеспечение TwinCAT PLC Serial Communication 3964R/RK512: Licence for usage of the IEC 61131-3 software library for TwinCAT PLC for communication via serial Bus Terminals or the PC-COM ports using the protocol 3964R/RK512: - library with communication routines for protocol 3964R/RK512 over Beckhoff Bus Terminals for serial interface Licence for one CPU. Within the IEC 61131-3 TwinCAT programming environment on one CPU, the function blocks contained in this library may be repeatedly instantiated without additional charge. The licence agreements for Beckhoff software products apply.
TwinCAT PLC Serial Communication EnOcean	TwinCAT	Программное обеспечение TwinCAT PLC Serial Communication EnOcean: The KL6023 Wireless Adapter receives signals from battery-less sensors with EnOcean technology. These signals are converted by the Wireless Adapter to a RS485 signal and directly processed further by the KL6021-0023 serial Bus Terminal. The PLC library provides support for the programmer for decoding the data packets received. The data are read from the terminal and pre-processed for further utilisation.
TwinCAT PLC Modbus RTU	TwinCAT	Программное обеспечение TwinCAT PLC Modbus RTU: Программное обеспечение Licence for using an IEC 61131-3 software library for TwinCAT PLC for communication via serial Bus Terminals or PC COM ports:
TwinCAT PLC IEC 60870-5-101 Master	TwinCAT	Программное обеспечение TwinCAT PLC IEC 60870-5-101 Master: Licence for using an IEC 61131-3 software library for TwinCAT PLC for communication via the telecontrol protocol according to IEC 60870-5-101 (serial transfer). The master can be realised using the library. Master and slave can be simply synchronised on one CPU. Licence for one CPU. Within the IEC 61131-3 TwinCAT programming environment on one CPU, the function blocks contained in this library may be repeatedly instantiated without additional charge. The licence agreements for Beckhoff software products apply.
TwinCAT PLC IEC	TwinCAT	Программное обеспечение TwinCAT PLC IEC 60870-5-

60870-5-102 Master		102 Master: Licence for using an IEC 61131-3 software library for TwinCAT PLC for communication via the telecontrol protocol according to IEC 60870-5-102 (transfer of counter states of electrical energy quantities). The master can be realised using the library. Licence for one CPU. Within the IEC 61131-3 TwinCAT programming environment on one CPU, the function blocks contained in this library may be repeatedly instantiated without additional charge. The licence agreements for Beckhoff software products apply.
TwinCAT PLC IEC 60870-5-103 Master	TwinCAT	Программное обеспечение TwinCAT PLC IEC 60870-5-103 Master: Licence for using an IEC 61131-3 software library for TwinCAT PLC for communication via the telecontrol protocol according to IEC 60870-5-103 (serial communication with digital protective equipment). The master can be realised using the library. Master and slave can be simply synchronised on one CPU. Licence for one CPU. Within the IEC 61131-3 TwinCAT programming environment on one CPU, the function blocks contained in this library may be repeatedly instantiated without additional charge. The licence agreements for Beckhoff software products apply.
TwinCAT PLC IEC 60870-5-104 Master	TwinCAT	Программное обеспечение TwinCAT PLC IEC 60870-5-104 Master: Licence for using an IEC 61131-3 software library for TwinCAT PLC for communication via the telecontrol protocol according to IEC 60870-5-104 (TCP/IP-based transfer). The master can be realised using the library. Master and slave can be simply synchronised on one CPU. Licence for one CPU. Within the IEC 61131-3 TwinCAT programming environment on one CPU, the function blocks contained in this library may be repeatedly instantiated without additional charge. The licence agreements for Beckhoff software products apply.
TwinCAT PLC IEC 60870-5-104 Master CE	TwinCAT	Программное обеспечение TwinCAT PLC IEC 60870-5-104 Master CE: Licence for using an IEC 61131-3 software library for TwinCAT PLC for communication via the telecontrol protocol according to IEC 60870-5-104 (TCP/IP-based transfer). The master can be realised using the library. Master and slave can be simply synchronised on one CPU. Licence for one CPU. Within the IEC 61131-3 TwinCAT programming environment on one CPU, the function blocks contained in this library may be repeatedly instantiated without additional charge. The licence agreements for Beckhoff software products apply.
TwinCAT PLC IEC 60870-5-101 Slave	TwinCAT	Программное обеспечение TwinCAT PLC IEC 60870-5-101 Slave: Licence for using an IEC 61131-3 software library for TwinCAT PLC for communication via the telecontrol protocol according to IEC 60870-5-101 (serial transfer). Licence for one CPU. Within the IEC 61131-3

		TwinCAT programming environment on one CPU, the function blocks contained in this library may be repeatedly instantiated without additional charge. The licence agreements for Beckhoff software products apply.
TwinCAT PLC IEC 60870-5-104 Slave	TwinCAT	Программное обеспечение TwinCAT PLC IEC 60870-5-104 Slave: Licence for using an IEC 61131-3 software library for TwinCAT PLC for communication via the telecontrol protocol according to IEC 60870-5-104 (TCP/IP-based transfer). Licence for one CPU. Within the IEC 61131-3 TwinCAT programming environment on one CPU, the function blocks contained in this library may be repeatedly instantiated without additional charge. The licence agreements for Beckhoff software products apply.
TwinCAT PLC IEC 60870-5-104 Slave CE	TwinCAT	Программное обеспечение TwinCAT PLC IEC 60870-5-104 Slave CE: Licence for using an IEC 61131-3 software library for TwinCAT PLC for communication via the telecontrol protocol according to IEC 60870-5-104 (TCP/IP-based transfer). Licence for one CPU. Within the IEC 61131-3 TwinCAT programming environment on one CPU, the function blocks contained in this library may be repeatedly instantiated without additional charge. The licence agreements for Beckhoff software products apply.
TwinCAT DriveTop Server	TwinCAT	Программное обеспечение TwinCAT DriveTop Server: Server for the configuration of Indramat SERCOS drives with DriveTop software on TwinCAT systems
TwinCAT DriveCOM OPC Server	TwinCAT	Программное обеспечение TwinCAT DriveCOM OPC Server: Licence for using the drive server for communication with DriveCOM devices (drives)
TwinCAT ADS Communication Library	TwinCAT	Программное обеспечение TwinCAT ADS Communication Library: TwinCAT ADS organises the exchange of data between TwinCAT and Windows programs. This includes:
TwinCAT OPC Server	TwinCAT	Программное обеспечение TwinCAT OPC Server: Licence for usage of an OPC Server for access to the TwinCAT
TwinCAT OPC Server CE	TwinCAT	Программное обеспечение TwinCAT OPC Server CE: Licence for using the CE OPC server for accessing TwinCAT through OPC clients under Windows CE
TwinCAT OPC UA Server	TwinCAT	Программное обеспечение TwinCAT OPC UA Server: TwinCAT OPC UA Server offers access to the TwinCAT system based on the OPC UA specification. TwinCAT UA Server provides data for external queries. TwinCAT UA Client can map information from external UA servers in the TwinCAT PLC. - UA OPC specification - optional communication authentication and encryption - configuration of the OPC UA server in the PLC - auto-configuration through a link to PLC projects or symbol upload - access to all TwinCAT variables Licence for one CPU. The licence agreements for Beckhoff software

		products apply.
TwinCAT OPC UA Server CE	TwinCAT	Программное обеспечение TwinCAT OPC UA Server CE: TwinCAT OPC UA Server CE offers access to the TwinCAT system based on the OPC UA specification. TwinCAT UA Server provides data for external queries. TwinCAT UA Client can map information from external UA servers in the TwinCAT PLC. - UA OPC specification - optional communication authentication and encryption - configuration of the OPC UA server in the PLC - auto-configuration through a link to PLC projects or symbol upload - access to all TwinCAT variables Licence for one CPU. The licence agreements for Beckhoff software products apply.
TwinCAT SMTP/SMS Server	TwinCAT	Программное обеспечение TwinCAT SMTP/SMS Server: Server for sending SMS messages via mobile telephones and for sending and receiving E-mails via the Simple Mail Transfer Protocol. The scope of supply comprises an SMS-COM server, a PLC library as well as the general "TwinCAT PLC Serial Communication" library. A server is installed for the SMTP protocol. Sending and receiving of E-mails is realised by simple blocks in the PLC .
TwinCAT SMTP/SMS Server CE	TwinCAT	Программное обеспечение TwinCAT SMTP/SMS Server CE: Server for sending SMS messages via mobile telephones and for sending e-mails via the Simple Mail Transfer Protocol. The scope of supply comprises an SMS-COM server, a PLC library as well as the general "TwinCAT PLC Serial Communication" library. A server is installed for the SMTP protocol. Sending of e-mails is realised by simple blocks in the PLC . Characteristics of the SMS-COM server: - sending of an SMS message via a GSM modem (connected to the RS232 interfaces of the PC) - COM interface for addressing from higher-level language programs (e.g. VB, VC++, C#,...) - ADS interface for addressing as TwinCAT automation device - no PLC program required Characteristics of the SMS-COM block: - sending of an SMS message directly from the TwinCAT PLC program - The RS232 ports of the PC or the KL6xxx serial terminals may be used as interfaces. - The library is available both for the PC as well as the BCxxxx Bus Terminal Controllers. - no COM server required Characteristics of the SMTP server and SMTP-PLC block: - sending of e-mails directly from the TwinCAT PLC program - open ADS interface of SMTP server Licence for one CPU. The licence agreements for Beckhoff software products apply.
TwinCAT TCP/IP Server	TwinCAT	Программное обеспечение TwinCAT TCP/IP Server: - server for realising one or several TCP/UDP server/clients in the TwinCAT PLC - The scope of supply includes a COM server and a PLC library. - features of the TCP/IP Server: - The server component serves the TCP/IP sockets of the

		operating system and also acts as an ADS device. - The PLC library contains blocks for establishing and winding down communication and for data exchange (send and receive). Licence for one CPU. The licence agreements for Beckhoff software products apply.
TwinCAT TCP/IP Server CE	TwinCAT	Программное обеспечение TwinCAT TCP/IP Server CE: - server for realising one or several TCP/UDP server/clients in the TwinCAT PLC - The scope of supply includes a COM server and a PLC library. - features of the TCP/IP Server: - The server component serves the TCP/IP sockets of the operating system and also acts as an ADS device. - The PLC library contains blocks for establishing and winding down communication and for data exchange (send and receive). Licence for one CPU. The licence agreements for Beckhoff software products apply.
TwinCAT Modbus TCP Server	TwinCAT	Программное обеспечение TwinCAT Modbus TCP Server: - Server for Modbus TCP devices - The scope of supply includes a COM server and a PLC library.
TwinCAT Modbus TCP Server CE	TwinCAT	Программное обеспечение TwinCAT Modbus TCP Server CE: - Server for Modbus TCP devices - The scope of supply includes a COM server and a PLC library.
TwinCAT Virtual Serial COM Driver	TwinCAT	Программное обеспечение TwinCAT Virtual Serial COM Driver: The TeEL60xx driver inserts one or more EL60xx EtherCAT Terminals as normal serial interfaces ('COMx') in Windows CE or XP. Access to the device connected to the terminal then takes place via normal Windows API for serial interfaces. Licence for one CPU. The licence agreements for Beckhoff software products apply.
TwinCAT Control Panel OPC Server	TwinCAT	Программное обеспечение TwinCAT Control Panel OPC Server: OPC Server for interfacing the Beckhoff Control Panel functions under Windows 9x/NT/2000/XP: The software enables access to the Beckhoff CP9030/CP9035 CP-Link card in applications that do not use TwinCAT. Functionality: - OPC specification DataAccess 1.0a & 2.0 (certified) - configuration of the Beckhoff CP9030/CP9035 CP-Link card - control of the additional command devices e.g. SKeys (PLC keys), LEDs, potentiometer for override, etc. - control of the CP lock - control of the UPS functionality
TwinCAT CP9090-S100	TwinCAT	Программное обеспечение TwinCAT CP9090-S100: ActiveX component for controlling the functions of the Beckhoff Control Panel out of Windows 9x/NT/2000/XP programs. The software allows the access to the Beckhoff CP-Link card CP9030/CP9035 in cases, where the TwinCAT software package is not in use.
TwinCAT PLC Controller Toolbox	TwinCAT	Программное обеспечение TwinCAT PLC Controller Toolbox: Licence for using an IEC 61131-3 software library for TwinCAT PLC. The Controller Toolbox is suitable for

		solving control tasks.
TwinCAT PLC PID Controller	TwinCAT	Программное обеспечение TwinCAT PLC PID Controller: Licence for usage of the IEC 61131-3 PID controller library for TwinCAT PLC: - Library with instantiable PID-T1 controller function block, with anti reset windup method, manual control, bumpless manual/automatic, switchover - Documentation in electronic form
TwinCAT PLC Temperature Controller	TwinCAT	Программное обеспечение TwinCAT PLC Temperature Controller Licence for usage of the IEC 61131-3 temperature controller library for TwinCAT PLC: Library with instantiable temperature control function block for the monitoring and control of various temperature system
TwinCAT PLC Building Automation	TwinCAT	Программное обеспечение TwinCAT PLC Building Automation: Licence for usage of the IEC 61131-3 software library for execution of basic functions in the building automation area (basic library), comprising modules
TwinCAT PLC Building Automation DALI	TwinCAT	Программное обеспечение DALI (Digital Addressable Lighting Interface) is a definition whose purpose is to standardise digital interfaces to lamp ballasts. The standard allows the manufacturers of lighting components to implement complex lighting tasks easily and conveniently. The KL6811 Bus Terminal (DALI master) is integrated into the Bus Terminal system as a normal Bus Terminal, and is therefore independent of the fieldbus in use. The DALI data is then passed on to the ballasts through the relevant Bus Coupler. The TwinCAT PLC Serial Communication DALI library offers configuration and programming block for the KL6811. The library can be used with the BCxxxx or BXxxxx Bus Terminal
TwinCAT Building Automation Framework	TwinCAT	Программное обеспечение TwinCAT Building Automation Framework: The TwinCAT Building Automation Framework simplifies the development and commissioning of industrial building automation applications. It includes a PLC library that contains the basic building automation functions. An Embedded PC running a PLC program based on this library can be configured and commissioned via a graphical configuration program, the TwinCAT Building Automation Manager. Properties: - automatic creation and activation of TwinCAT IO mapping - automatic creation of links to PLC variables - tabular status display of all actuators and sensors - dialogs for manual operation of actuators and sensors - actuators and sensors can be grouped. - status display of all Embedded PCs entered in the system - The PLC program can be extended with customised functions. Licence for one CPU. The licence agreements for Beckhoff software products apply.
TwinCAT PLC HVAC	TwinCAT	Программное обеспечение TwinCAT PLC HVAC: The HVAC library is a comprehensive TwinCAT PLC library

		with more than 70 function blocks for automation of heating, ventilation, air-conditioning and sanitary installations. The application of this PLC library significantly simplifies the engineering in this area of building technical equipment. Functional blocks are available for handling the sensor/actuator level. Complex control or regulating tasks can be automated using simple blocks. The functional blocks all have the same uniform look and feel in common. All blocks have a standardised interface and react to errors in the same way. Licence for one CPU. Within the IEC 61131-3 TwinCAT programming environment on one CPU, the function blocks contained in this library may be repeatedly instantiated without additional charge. The licence agreements for Beckhoff software products apply.
TwinCAT PLC M-Bus	TwinCAT	Программное обеспечение TwinCAT PLC M-Bus: Licence for using an IEC-61131-3 software library for TwinCAT PLC for communication via serial Bus Terminals or PC-COM ports using the M-Bus protocol (metering bus). The M-Bus is a fieldbus for the recording of consumption data (e.g. energy meters) and is described in the EN 1434 standard. A level converter is required for accessing the M-Bus. Licence for one CPU. Within the IEC 61131-3 TwinCAT programming environment on one CPU, the function blocks contained in this library may be repeatedly instantiated without additional charge. The licence agreements for Beckhoff software products apply.
TC9910-B110	TwinCAT	Комплект Demokits with EtherCAT Couplers 1 x EK1100 (EtherCAT), 2 x EL1014, 2 x EL2004, 1 x EL9011 1 x Ethernet cable, 3 m 1 x DIN rail, 30 cm 1 x Beckhoff folder: Products & Software CD, Main catalog, News catalog, documentation "TwinCAT quick start", documentation "EK1100" 1 x TwinCAT PLC licence
TC9910-B111	TwinCAT	Комплект Demokits with EtherCAT Couplers 1 x EK1100 (EtherCAT), 2 x EL1014, 2 x EL2004, 1 x EL9011 1 x Ethernet cable, 3 m 1 x DIN rail, 30 cm 1 x Beckhoff folder: Products & Software CD, Main catalog, News catalog, documentation "TwinCAT quick start", documentation "EK1100" – without TwinCAT PLC licence
TC9910-B200	TwinCAT	Комплект Demokits with Bus Couplers 1 x BK2020 (Lightbus), 2 x KL1002, 2 x KL2032, 1 x KL9010 2 x Lightbus cable, 3 m, with connectors 1 x DIN rail, 30 cm 1 x Beckhoff folder: Products & Software CD, Main catalog, News catalog, documentation "TwinCAT quick start", documentation "BK2020" 1 x FC2001 Lightbus PCI master card 1 x TwinCAT PLC licence
TC9910-B310	TwinCAT	Комплект Demokits with Bus Couplers 1 x BK3150 (PROFIBUS), 2 x KL1002, 2 x KL2032, 1 x KL9010 1 x PROFIBUS cable, 3 m, with connectors 1 x DIN rail, 30 cm 1 x Beckhoff folder: Products & Software CD, Main catalog,

		News catalog, documentation "TwinCAT quick start", documentation "BK3150" 1 x FC3101 PROFIBUS PCI master card 1 x TwinCAT PLC licence
TC9910-B400	TwinCAT	Комплект Demokits with Bus Couplers 1 x BK4020 (Interbus), 2 x KL1002, 2 x KL2032, 1 x KL9010 1 x Interbus cable, 3 m, with connectors 1 x DIN rail, 30 cm 1 x Beckhoff folder: Products & Software CD, Main catalog, News catalog, documentation "TwinCAT quick start", documentation "BK4020" 1 x FC4010 Interbus PCI master card 1 x TwinCAT PLC licence
TC9910-B510	TwinCAT	Комплект Demokits with Bus Couplers 1 x BK5150 (CANopen), 2 x KL1002, 2 x KL2032, 1 x KL9010 1 x CANopen cable, 3 m, with connectors 1 x DIN rail, 30 cm 1 x Beckhoff folder: Products & Software CD, Main catalog, News catalog, documentation "TwinCAT quick start", documentation "BK5150" 1 x FC5101 CANopen PCI master card 1 x TwinCAT PLC licence
TC9910-B520	TwinCAT	Комплект Demokits with Bus Couplers 1 x BK5220 (DeviceNet), 2 x KL1002, 2 x KL2032, 1 x KL9010 1 x DeviceNet cable, 3 m, with connectors 1 x DIN rail, 30 cm 1 x Beckhoff folder: Products & Software CD, Main catalog, News catalog, documentation "TwinCAT quick start", documentation "BK5220" 1 x FC5201 DeviceNet PCI master card 1 x TwinCAT PLC licence
TC9910-B750	TwinCAT	Комплект Demokits with Bus Couplers 1 x BK7520 (SERCOS Interface), 2 x KL1002, 2 x KL2032, 1 x KL9010 2 x SERCOS cable, 3 m, with connectors 1 x DIN rail, 30 cm 1 x Beckhoff folder: Products & Software CD, Main catalog, News catalog, documentation "TwinCAT quick start", documentation "BK7520" 1 x FC7501 SERCOS PCI master card 1 x TwinCAT NC PTP licence
TC9910-B800	TwinCAT	Комплект Demokits with Bus Couplers 1 x BK8000 (RS485), 2 x KL1002, 2 x KL2032, 1 x KL9010 1 x RS485 cable, 3 m, with connectors 1 x DIN rail, 30 cm 1 x Beckhoff folder: Products & Software CD, Main catalog, News catalog, documentation "TwinCAT quick start", documentation "BK8000" 1 x C9900-A440 RS485-ISA card 1 x TwinCAT PLC licence
TC9910-B810	TwinCAT	Комплект Demokits with Bus Couplers 1 x BK8100 (RS232), 2 x KL1002, 2 x KL2032, 1 x KL9010 1 x RS232 cable, 3 m, with connectors 1 x DIN rail, 30 cm 1 x Beckhoff folder: Products & Software CD, Main catalog, News catalog, documentation "TwinCAT quick start", documentation "BK8100" 1 x TwinCAT PLC licence
TC9910-B900	TwinCAT	Комплект Demokits with Bus Couplers 1 x BK9100 (Ethernet), 2 x KL1002, 2 x KL2032, 1 x KL9010 2 x Ethernet cable, 3 m 1 x DIN rail, 30 cm 1 x Beckhoff folder: Products & Software CD, Main catalog, News catalog,

		documentation "TwinCAT quick start", documentation "BK9100" 1 x TwinCAT PLC licence
TC9910-B903	TwinCAT	Комплект Demokits with Bus Couplers 1 x BK9103 (PROFINET), 2 x KL1002, 2 x KL2032, 1 x KL9010 1 x Ethernet cable, 3 m 1 x DIN rail, 30 cm 1 x Beckhoff folder: Products & Software CD, Main catalog, News catalog, documentation "TwinCAT quick start", documentation "BK9103" 1 x TwinCAT PLC licence
TC9910-B905	TwinCAT	Комплект Demokits with Bus Couplers 1 x BK9105 (Ethernet/IP), 2 x KL1002, 2 x KL2032, 1 x KL9010 1 x Ethernet cable, 3 m 1 x DIN rail, 30 cm 1 x Beckhoff folder: Products & Software CD, Main catalog, News catalog, documentation "TwinCAT quick start", documentation "BK9105" – without TwinCAT PLC licence
TC9910-C200	TwinCAT	Комплект Demokits with Bus Terminal Controllers 1 x BC2000 (Lightbus), 2 x KL1002, 2 x KL2032, 1 x KL9010 2 x Lightbus cable, 3 m, with connectors 1 x DIN rail, 30 cm 1 x Beckhoff folder: Products & Software CD, Main catalog, News catalog, documentation "TwinCAT quick start", documentation "BC2000" 1 x FC2001 Lightbus PCI master card 1 x TwinCAT PLC licence + programming cable
TC9910-C310	TwinCAT	Комплект Demokits with Bus Terminal Controllers 1 x BC3150 (PROFIBUS), 2 x KL1002, 2 x KL2032, 1 x KL9010 1 x PROFIBUS cable, 3 m, with connectors 1 x DIN rail, 30 cm 1 x Beckhoff folder: Products & Software CD, Main catalog, News catalog, documentation "TwinCAT quick start", documentation "BC3150" 1 x FC3101 PROFIBUS PCI master card 1 x TwinCAT PLC licence + programming cable
TC9910-C400	TwinCAT	Комплект Demokits with Bus Terminal Controllers 1 x BC4000 (Interbus), 2 x KL1002, 2 x KL2032, 1 x KL9010 1 x Interbus cable, 3 m, with connectors 1 x DIN rail, 30 cm 1 x Beckhoff folder: Products & Software CD, Main catalog, News catalog, documentation "TwinCAT quick start", documentation "BC4000" 1 x FC4010 Interbus PCI master card 1 x TwinCAT PLC licence + programming cable
TC9910-C730	TwinCAT	Комплект Demokits with Bus Terminal Controllers 1 x BC7300 (Modbus), 2 x KL1002, 2 x KL2032, 1 x KL9010 1 x DIN rail, 30 cm 1 x Beckhoff folder: Products & Software CD, Main catalog, News catalog, documentation "TwinCAT quick start", documentation "BC7300" 1 x TwinCAT PLC licence + programming cable
TC9910-C800	TwinCAT	Комплект Demokits with Bus Terminal Controllers 1 x BC8000 (RS485), 2 x KL1002, 2 x KL2032, 1 x KL9010 1 x DIN rail, 30 cm 1 x Beckhoff folder: Products & Software CD, Main catalog, News catalog, documentation "TwinCAT quick start", documentation "BC8000" 1 x TwinCAT PLC licence + programming cable

TC9910-C810	TwinCAT	Комплект Demokits with Bus Terminal Controllers 1 x BC8100 (RS232), 2 x KL1002, 2 x KL2032, 1 x KL9010 1 x DIN rail, 30 cm 1 x Beckhoff folder: Products & Software CD, Main catalog, News catalog, documentation "TwinCAT quick start", documentation "BC8100" 1 x TwinCAT PLC licence + programming cable
TC9910-C815	TwinCAT	Комплект Demokits with Bus Terminal Controllers 1 x BC8150 (RS232), 2 x KL1002, 2 x KL2032, 1 x KL9010 1 x DIN rail, 30 cm 1 x Beckhoff folder: Products & Software CD, Main catalog, News catalog, documentation "TwinCAT quick start", documentation "BC8150" 1 x TwinCAT PLC licence + programming cable
TC9910-C900	TwinCAT	Комплект Demokits with Bus Terminal Controllers 1 x BC9100 (Ethernet), 2 x KL1002, 2 x KL2032, 1 x KL9010 2 x Ethernet cable, 3 m 1 x DIN rail, 30 cm 1 x Beckhoff folder: Products & Software CD, Main catalog, News catalog, documentation "TwinCAT quick start", documentation "BC9100" 1 x TwinCAT PLC licence + programming cable
TC9910-X001	TwinCAT	Комплект Demokits with Embedded PCs 1 x CX9001-0101, 2 x EL1002, 1 x EL2004, 1 x EL9011 1 x Ethernet cable, 3 m 1 x DIN rail, 30 cm 1 x Beckhoff folder: Products & Software CD, Main catalog, News catalog, documentation "TwinCAT quick start" 1 x TwinCAT PLC licence
TC9910-X002	TwinCAT	Комплект Demokits with Embedded PCs 1 x CX9010-0102, 2 x EL1002, 1 x EL2004, 1 x EL9011 1 x Ethernet cable, 3 m 1 x DIN rail, 30 cm 1 x Beckhoff folder: Products & Software CD, Main catalog, News catalog, documentation "TwinCAT quick start" 1 x TwinCAT PLC licence
TC9910-X003	TwinCAT	Комплект Demokits with Embedded PCs 1 x CX1010-0112, CX1100-0004, 2 x EL1002, 1 x EL2004, 1 x EL9011 1 x Ethernet cable, 3 m 1 x DIN rail, 30 cm 1 x Beckhoff folder: Products & Software CD, Main catalog, News catalog, documentation "TwinCAT quick start" 1 x TwinCAT PLC licence
TC9910-X004	TwinCAT	Комплект Demokits with Embedded PCs 1 x CX1020-0112, CX1100-0004, 2 x EL1002, 1 x EL2004, 1 x EL9011 1 x Ethernet cable, 3 m 1 x DIN rail, 30 cm 1 x Beckhoff folder: Products & Software CD, Main catalog, News catalog, documentation "TwinCAT quick start" 1 x TwinCAT PLC licence
TC9910-X005	TwinCAT	Комплект Demokits with Embedded PCs 1 x CX1030-0112, CX1100-0004, 2 x EL1002, 1 x EL2004, 1 x EL9011 1 x Ethernet cable, 3 m 1 x DIN rail, 30 cm 1 x Beckhoff folder: Products & Software CD, Main catalog, News catalog, documentation "TwinCAT quick start" 1 x TwinCAT PLC licence