



TC1260 | TC3 PLC/NC PTP 10/NC I

Extension of the TwinCAT PLC/NC PTP 10 by the possibility to realise movements with up to three interpolating and up to five auxiliary axes. Various axis types with various fieldbus interfaces are supported. The movement is usually programmed in DIN 66025, but it can also alternatively be carried out via PLC function blocks.

- max. 3 path axes and up to 5 auxiliary axes per group
- 1 group per channel, max. 31 channels
- supports electric servo axes, stepper motor drives
- interpreter functions such as subroutine and jump technology, programmable loops, zero point shifts, tool corrections, M and H functions
- geometry functions: straight lines and circles in 3-D space, circles at all main levels, helices with base circles at all main levels, linear, circular and helical interpolation at the main levels and freely definable levels, Bezier splines, look-ahead function
- online reconfiguration of axes in groups, path override, slave coupling to path axes, auxiliary axes, axis error and sag compensation, measuring functions
- programming in DIN 66025
- access alternatively via function blocks according to IEC 61131-3
- operation in automatic mode, manual mode (jog/inch), single block mode, referencing, handwheel mode (movement/overlay)
- convenient debugging with online monitoring of current set/actual position (position lag of all axes), NC program line currently being processed, NC program line currently being interpreted, channel status
- support of kinematic transformations in combination with TF511x

Technical data	TC1260
Target system	Windows XP, Windows 7/8/10, Windows CE

Ordering information	
TC1260-0040	TC3 PLC/NC PTP 10/NC I, platform 40 (Performance)
TC1260-0050	TC3 PLC/NC PTP 10/NC I, platform 50 (Performance Plus)
TC1260-0060	TC3 PLC/NC PTP 10/NC I, platform 60 (Mid Performance)
TC1260-0070	TC3 PLC/NC PTP 10/NC I, platform 70 (High Performance)
TC1260-0080	TC3 PLC/NC PTP 10/NC I, platform 80 (Very High Performance)
TC1260-0081	TC3 PLC/NC PTP 10/NC I, platform 81 (Many-core 5...8 cores)
TC1260-0082	TC3 PLC/NC PTP 10/NC I, platform 82 (Many-core 9...16 cores)
TC1260-0083	TC3 PLC/NC PTP 10/NC I, platform 83 (Many-core 17...32 cores)
TC1260-0084	TC3 PLC/NC PTP 10/NC I, platform 84 (Many-core 33...64 cores)
TC1260-0090	TC3 PLC/NC PTP 10/NC I, platform 90 (Other)
TC1260-0091	TC3 PLC/NC PTP 10/NC I, platform 91 (Other 5...8 cores)
TC1260-0092	TC3 PLC/NC PTP 10/NC I, platform 92 (Other 9...16 cores)
TC1260-0093	TC3 PLC/NC PTP 10/NC I, platform 93 (Other 17...32 cores)
TC1260-0094	TC3 PLC/NC PTP 10/NC I, platform 94 (Other 33...64 cores)

Related products	
TC1250	TC3 PLC/NC PTP 10
TC1270	TC3 PLC/NC PTP 10/NC I/CNC