



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 3D 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 7/8/10, Windows CE

Ordering information	
TC1260-0v40	TC3 PLC/NC PTP 10/NC I, platform 40 (Performance)
TC1260-0v50	TC3 PLC/NC PTP 10/NC I, platform 50 (Performance Plus)
TC1260-0v60	TC3 PLC/NC PTP 10/NC I, platform 60 (Mid Performance)
TC1260-0v70	TC3 PLC/NC PTP 10/NC I, platform 70 (High Performance)
TC1260-0v80	TC3 PLC/NC PTP 10/NC I, platform 80 (Very High Performance)
TC1260-0v81	TC3 PLC/NC PTP 10/NC I, platform 81 (Many-core 5...8 Cores)
TC1260-0v82	TC3 PLC/NC PTP 10/NC I, platform 82 (Many-core 9...16 Cores)
TC1260-0v83	TC3 PLC/NC PTP 10/NC I, platform 83 (Many-core 17...32 Cores)
TC1260-0v84	TC3 PLC/NC PTP 10/NC I, platform 84 (Many-core 33...64 Cores)
TC1260-0v90	TC3 PLC/NC PTP 10/NC I, platform 90 (Other)
TC1260-0v91	TC3 PLC/NC PTP 10/NC I, platform 91 (Other 5...8 Cores)
TC1260-0v92	TC3 PLC/NC PTP 10/NC I, platform 92 (Other 9...16 Cores)
TC1260-0v93	TC3 PLC/NC PTP 10/NC I, platform 93 (Other 17...32 Cores)
TC1260-0v94	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