



## TC1220 | TC3 PLC/C++/MATLAB®/Simulink®

Extension of the TwinCAT PLC/C++ TC1210 by the possibility to execute modules generated in MATLAB®/Simulink®:

- contains the TwinCAT 3 PLC and C++ runtime
- allows the execution of modules generated in MATLAB®/Simulink®
- multiple instancing of modules
- parameterisation of these modules at runtime
- online access to all parameters (can be deactivated)
- generic modules (no hardware connection necessary within the models)
- connection to the external mode of Simulink®
- connection to the TwinCAT C++ debugger, with graphical representation of the blocks
- modules can be called from other modules or directly by tasks

Technical data	TC1220
Target system	Windows XP, Windows 7/8/10 (Windows CE is not supported)

Ordering information	
TC1220-0030	TC3 PLC/C++/Matlab®/Simulink®, platform 30 (Economy Plus)
TC1220-0040	TC3 PLC/C++/Matlab®/Simulink®, platform 40 (Performance)
TC1220-0050	TC3 PLC/C++/Matlab®/Simulink®, platform 50 (Performance Plus)
TC1220-0060	TC3 PLC/C++/Matlab®/Simulink®, platform 60 (Mid Performance)
TC1220-0070	TC3 PLC/C++/Matlab®/Simulink®, platform 70 (High Performance)
TC1220-0080	TC3 PLC/C++/Matlab®/Simulink®, platform 80 (Very High Performance)
TC1220-0081	TC3 PLC/C++/Matlab®/Simulink®, platform 81 (Many-core 5...8 cores)
TC1220-0082	TC3 PLC/C++/Matlab®/Simulink®, platform 82 (Many-core 9...16 cores)
TC1220-0083	TC3 PLC/C++/Matlab®/Simulink®, platform 83 (Many-core 17...32 cores)
TC1220-0084	TC3 PLC/C++/Matlab®/Simulink®, platform 84 (Many-core 33...64 cores)
TC1220-0090	TC3 PLC/C++/Matlab®/Simulink®, platform 90 (Other)
TC1220-0091	TC3 PLC/C++/Matlab®/Simulink®, platform 91 (Other 5...8 cores)
TC1220-0092	TC3 PLC/C++/Matlab®/Simulink®, platform 92 (Other 9...16 cores)
TC1220-0093	TC3 PLC/C++/Matlab®/Simulink®, platform 93 (Other 17...32 cores)
TC1220-0094	TC3 PLC/C++/Matlab®/Simulink®, platform 94 (Other 33...64 cores)