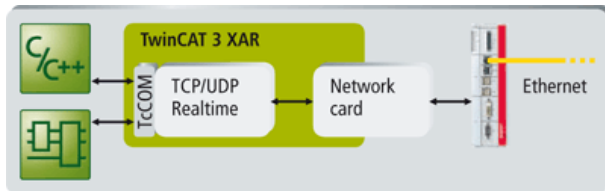




TF6311 | TC3 TCP/UDP Realtime

TwinCAT 3 already offers an option to access the network card of the operating system (TF6310) from the PLC via the user mode. As an enhancement, TC3 TCP/UDP Realtime (TF6311) now enables fast and convenient access from the real-time directly to the network card. The TwinCAT 3 network card driver handles the access via a dedicated stack. The implementation facilitates cooperative use of the network card by the operating system. TF6311 provides both server and client functionality, so that the TCP/IP, UDP/IP and Ping/ARP protocols can be implemented.

Unlike the TF6310 function modules, TF6311 is realised as a TcCOM (TwinCAT Component Object Model) module and directly implements the TwinCAT 3 philosophy: modules encapsulate functionality and can be used without knowledge of the internal workings. In addition, this approach enables seamless integration of the module in the two PLC and C++ programming environments. Examples of client and server applications in different protocols illustrate the use of the TcCOM module, making implementation of an application efficient and easy.



Technical data	TF6311
Required	TC1200, TC1300
Target system	Windows 7/8/10, Windows CE

Ordering information	
TF6311-0v20	TC3 TCP/UDP Realtime, platform 20 (Economy)
TF6311-0v30	TC3 TCP/UDP Realtime, platform 30 (Economy Plus)
TF6311-0v40	TC3 TCP/UDP Realtime, platform 40 (Performance)
TF6311-0v50	TC3 TCP/UDP Realtime, platform 50 (Performance Plus)
TF6311-0v60	TC3 TCP/UDP Realtime, platform 60 (Mid Performance)
TF6311-0v70	TC3 TCP/UDP Realtime, platform 70 (High Performance)
TF6311-0v80	TC3 TCP/UDP Realtime, platform 80 (Very High Performance)
TF6311-0v81	TC3 TCP/UDP Realtime, platform 81 (Many-core 5...8 Cores)
TF6311-0v82	TC3 TCP/UDP Realtime, platform 82 (Many-core 9...16 Cores)
TF6311-0v83	TC3 TCP/UDP Realtime, platform 83 (Many-core 17...32 Cores)
TF6311-0v84	TC3 TCP/UDP Realtime, platform 84 (Many-core 33...64 Cores)
TF6311-0v90	TC3 TCP/UDP Realtime, platform 90 (Other)
TF6311-0v91	TC3 TCP/UDP Realtime, platform 91 (Other 5...8 Cores)
TF6311-0v92	TC3 TCP/UDP Realtime, platform 92 (Other 9...16 Cores)
TF6311-0v93	TC3 TCP/UDP Realtime, platform 93 (Other 17...32 Cores)
TF6311-0v94	TC3 TCP/UDP Realtime, platform 94 (Other 33...64 Cores)