Version history
for
S7A Driver Version 8.10

Build	Release date	Notes:
115	17.08.2022	Fixed issues: - The malfunctioning control tags !Poll and !Switch now work properly. - When disabling a S7A device e.g. via Power Tool or by a !Mode:<device name> control tag, the data quality of some of the subordinated data blocks remained at 'GOOD' instead of changing to 'BAD'. - OPC DA: Browsing of TIA symbols, containing a symbol comment text failed.
114	23.05.2022	Fixed issues: - The bit numbers of digital I/O addresses which refered to analog TIA symbols has been set to 0 (zero) after a restart of iFIX. - The reception of Digital signals (memory area DS) failed. - Writing of iFIX TX blocks to TIA symbols of date and time data types failed. New features: - Cimplicity point I/O addresses have been extended from 32 characters to 256 characters.
112	20.12.2021	Fixed issues: - Writing analog values with hardware option HWOU or HWOS failed with 'general error' message in iFIX. - Comparison of computer name in license validation module now works case-insensitive. New features: - New Control Tag '!ConnOK:<Device name>' indicates whether connection works properly (value 1) or not (value = 0).
111	09.11.2021	Fixed issues: - Intensive open and close of iFIX faceplate windows which contained register data links could lead to a crash of the Workspace process. - Multi-Bit write operation from OPC client failed.
110	10.08.2021	Fixed issues: - Digital addresses of analog TIA symbols were displayed with wrong bit number in Database manager after iFIX startup. New features: - 25% increase in SAC performance (processing of blocks) by optimizing the shared memory access in the nio interface.

109	09.06.2021	Fixed issues: - A former disable access time on a TIA datablock was set back to 255 (seconds) after a restart of the driver background process.
108	21.04.2021	Fixed issues: - OPC array item definition failed. - Reading control tags in Cimplicity failed. - Synchronous OPC write operations to control tags failed.
107	11.03.2021	Fixed issues: - Empty TIA Symbol browse tree when the TIA PLC name contained non-basic latin (language specific) characters. - OPC Array Items couldn't be defined.
106	19.01.2021	Fixed issues: - TIA symbol load failed when path and/or file name of TIA project contained space characters. New features: - Beside to the global simulation mode option now the driver supports simulation mode for particular devices. The device configuration dialog has been extended by a "Simulated" check box just below the "Enabed" check box. The global simulation flag superseds the device-related simulation setting.
105	04.01.2021	Fixed issues: - Manual or automatic Block Write operation in a symbolic TIA channel could cause a crash of the driver background process.
104	22.12.2020	New features: - The symbol loading from TIA projects has been outsourced to worker processes. This significantly reduces the memory consumption of the S7ADRV process, especially when multiple very large TIA projects have to be loaded by the driver.
103	20.10.2020	New features: - Symbol load filter expression on TIA channel level allows to reduce the symbol load time and the memory consumption. - Phase parameter added to the data block's polling parameters. Fixed issues: - Memory leak in TIA channel - Reconnect to PLC after communication interruption infrequently failed. - Synchronous read from device via OPC interface returned invalid item status for the first item in a group when simulation mode was active. - Synchronous read of a string item via OPC failed when simulation mode was active. - After a time synchronization request to a PLC the clients (e.g. iFIX WSACTASK) cyclically (every 15 seconds) received invalid data values for a short time.
102	03.06.2020	New functions: - CIMPLICITY 11.0 support. Fixed issues: - Spurious virus signature in S7AUninstall program.

101	09.02.2020	New functions: - TIA V16 support. - iFIX 6.1 support. - The symbolic access to S7-1200/1500 now supports access timer per symbol. Till now a single acess timer controlled the data block with all ist symbols. - Collective read allows to read multiple symbolic data blocks with a single request to the PLC. This enhancement increases the communication performance in configurations with a large number of data blocks and a small number of selected symbols in the data blocks. - For symbolic TIA addresses now the device name prefix of the iFIX tag I/O address or OPC item Id can be extended by the data block name. In conjunction with the Auto Create mode this extension allows to auto-select a symbol (specified in the iFIX tag or OPC item) in a specific S7A data block. Fixed issues: - Type library error due to duplicate interface GUIDs in version 8.00 and 8.10. - During shutdown of the Power Tool a runtime error might occur in the Write2LogViewer Method.
100	04.11.2019	New functions: - Introduction of the license variant **S7A light**. This license has a limitation to 1 channel and 100 tags (iFIX blocks or OPC Items).