

**Version history  
for  
S7A Driver Version 8.00**

<b>Build</b>	<b>Release date</b>	<b>Notes:</b>
123	15.05.2024	Fixed issues: <ul style="list-style-type: none"> <li>- When using the TX block options on TIA date and time values, values to be written were not transferred correctly to the PLC</li> <li>- Setting the maximum shared memory size via the Power Tool Options dialog had no effect because the value was saved in the wrong registry variable.</li> </ul>
122	09.10.2023	Fixed issues: <ul style="list-style-type: none"> <li>- Writing digital signals to an S5 via the S5-LAN++ adapter did not work properly</li> <li>- No control tag address (e.g. !Mode) could be queried via the Cimplicity HMI interface.</li> <li>- The license query of the computer name is now case insensitive.</li> <li>- The value of the debug flags was not displayed correctly in the Power Tool dialog, or was always displayed as 0.</li> </ul>
121	30.12.2020	Fixed issues: <ul style="list-style-type: none"> <li>- Manual or automatic Block Write operation in a symbolic TIA channel could cause a crash of the driver background process.</li> </ul>
120	02.11.2020	New features: <ul style="list-style-type: none"> <li>- Additional Symbol load filter expression 'HMIVisible=true' allows filtering on symbols which have set the HMI visible flag in TIA Portal..</li> </ul> Fixed issues: <ul style="list-style-type: none"> <li>- Automatic block write mode could block the write processing of a data block.</li> </ul>

119	21.10.2020	<p>New features:</p> <ul style="list-style-type: none"> <li>- Symbol load filter expression on TIA channel level allows to reduce the symbol load time and the memory consumption.</li> <li>- Phase parameter added to the data block's polling parameters.</li> </ul> <p>Fixed issues:</p> <ul style="list-style-type: none"> <li>- Memory leak in TIA channel</li> <li>- Reconnect to PLC after communication interruption infrequently failed.</li> <li>- Synchronous read from device via OPC interface returned invalid item status for the first item in a group when simulation mode was active.</li> <li>- Synchronous read of a string item via OPC failed when simulation mode was active.</li> <li>- 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.</li> </ul>
115	25.03.2020	<p>Fixed issues:</p> <ul style="list-style-type: none"> <li>- Access time of data blocks with symbolic (TIA) access now is limited to 255 seconds.</li> <li>- Spurious virus signature in S7AUninstall program.</li> </ul>
114	11.02.2020	<p>New functions:</p> <ul style="list-style-type: none"> <li>- TIA V16 support.</li> <li>- iFIX 6.1 support.</li> </ul> <p>Fixed issues:</p> <ul style="list-style-type: none"> <li>- Writing to a symbol of type S7_String could cause a crash in the S7ADRV background process.</li> </ul>
113 RC6	04.02.2020	<p>New functions:</p> <ul style="list-style-type: none"> <li>- TIA V16 support.</li> <li>- The symbolic access to S7-1200/1500 now supports access timer per symbol. Till now a single access timer controlled the data block with all ist symbols.</li> <li>- 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.</li> <li>- 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.</li> </ul> <p>Fixed issues:</p> <ul style="list-style-type: none"> <li>- Client (iFIX or OPC) access to SIMOTION data blocks failed with data quality BAD.</li> <li>- During shutdown of the Power Tool a runtime error might occur in the Write2LogViewer Method.</li> </ul>

111	04.10.2019	<p>Fixed issues:</p> <ul style="list-style-type: none"> <li>- System UDT structures were not released when TIA symbols were uploaded from the PLC.</li> <li>- Under certain circumstances, the length of a data block could not be set for data blocks in "S7-300/400/1500 TCP/IP Absolute" communication way.</li> <li>- After changing the name of a driver object (channel, device or a data block) and closing the document window, it was not possible to reopen the object's document window anymore .</li> </ul>
110	16.08.2019	<p>New functions:</p> <ul style="list-style-type: none"> <li>- The setup of the S7A driver now allows a "silent" or unattended installation. For detailed information see the application note <a href="#">InCoSol S7A App Note Silent Installation.pdf</a></li> </ul>
108b	26.07.2019	<p>Fixed issues:</p> <ul style="list-style-type: none"> <li>- CSV file import failed for communication way "S7-300/400/1500 TCP/IP Absolute" when the channel contained multiple devices.</li> </ul>
108a	11.07.2019	<p>Fixed issues:</p> <ul style="list-style-type: none"> <li>- CSV file import failed for communication way "S7-300/400/1500 TCP/IP Absolute".</li> <li>- Due to an issue in the S7ASTSR.DLL the iFIX Data Base Manager process might hung up after iFIX shut down.</li> <li>- Power Tool now supports scrolling via mouse wheel.</li> </ul>
108	10.05.2019	<p>New functions:</p> <ul style="list-style-type: none"> <li>- Driver now supports TIA V15.1 projects for symbolic addressing.</li> </ul> <p>Fixed issues:</p> <ul style="list-style-type: none"> <li>- Loading/reloading of TIA symbol information has been improved. Now the symbols can be reloaded while iFIX or other client software is running without any loss of database block I/O addresses.</li> <li>- On-the-fly change of the IP address of a symbolic TIA device failed.</li> <li>- Start of Power Tool from within iFIX Workspace or Database Manager failed with crash of S7ADIDW.EXE</li> <li>- Power Tool window was in background when started from within Database Manager or iFIX SCU.</li> <li>- Database Manager could hang (process remains active in task manager) on iFIX shutdown.</li> </ul>

107	18.02.2019	<p>Fixed issues:</p> <ul style="list-style-type: none"> <li>- To run the S7A Power Tool Administrator Privileges were required. Now the Power Tool even runs under Standard User Privileges when the S7A driver background process S7ADRV.EXE runs as a service.</li> <li>- Number of total devices was limited to 16.</li> <li>- Timestamp value in the Log Viewer Window had fixed German format. Now it is localized.</li> </ul>
105	31.08.2018	<p>New functions:</p> <ul style="list-style-type: none"> <li>- Individual queues for each alarm ensures that an alarm change can't get lost in case that the client (iFIX) scan the alarm block slower than the alarm changes occur. The size of the queue is limited to 50 entries (per alarm ID).</li> <li>- The number of alarms per data block has been extended from 52 to 100.</li> <li>- Symbolic TIA channels now support <i>Auto Create</i>, means, if a symbol is added to the iFIX data base which is not yet selected in a S7A data block, it will be selected automatically. S7A data blocks will be filled in ascending order. If one data block can't take anymore a new symbol (because its memory is exhausted) the next data block is filled. If all data blocks are filled, the driver <i>doesn't</i> create a new data block!</li> <li>- The data block size of symbolic TIA channels has been extended to 65500 bytes, thus more symbols can be selected in a single data block.</li> </ul> <p>Fixed issues:</p> <ul style="list-style-type: none"> <li>- Import of a TIA V14 project could fail if it used specific features.</li> <li>- S7ADRV process could crash when CVS import file contained data block with AS (AG-State) memory area.</li> <li>- Minor Bug fixes</li> </ul>

104	15.08.2018	<p>New functions:</p> <ul style="list-style-type: none"> <li>- S7-200 SMART (special version of S7-1200 for Chinese and Indian Market) support.</li> <li>- Support for TIA data types LInt, LWord and LReal.</li> <li>- Support for time synchronization of the PLC with the PC time (classic S7 communication and S7-Alarm channel only)</li> <li>- Bit addressing for TIA data types Byte, Word, Int, DWord and DInt by appending the bit number (0..31) to the symbol name (separated by colon). Format: &lt;Device name&gt;:&lt;Symbol name&gt;:&lt;Bit number&gt;</li> </ul> <p>Fixed issues:</p> <ul style="list-style-type: none"> <li>- Byte order property of classic S7 data blocks wasn't properly initialized. Due to this, clients could show wrong tag values.</li> <li>- In case of an alarm burst from the PLC the driver could lost S7-Alarms.</li> <li>- String hardware options DT_GER, DT_US und DT_ENG provided wrong year string for dates between 1990 and 1999</li> </ul>
103	28.02.2018	<p>New functions:</p> <ul style="list-style-type: none"> <li>- TIA V15 support</li> </ul> <p>Fixed issues:</p> <ul style="list-style-type: none"> <li>- Minor bug fixex</li> </ul>
102	3.01.2018	<p>New functions:</p> <ul style="list-style-type: none"> <li>- Cimplicity HMI 10.0 support</li> </ul> <p>Fixed issues:</p> <ul style="list-style-type: none"> <li>- Import of a TIA V14 projects could fail when "Struct" type was used in symbol configuration.</li> </ul>