Release Notes

siAccess

Version 7.20

August 2026

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Product	Version	Date
siAccess	**V7.20**	04.08.2026

1. New or enhanced features and changes

- Addition: SINUMERIK Trace: High-speed recording of NCK variables (see samples and documentation)
- Addition: Added SetPasswordEx function to DotNetWrapper
- Support for S7-1500 FW 4.1.6
- Support for S7-1200 G2 FW 4.1.6

- **Third Party Libraries:**
  - **openssl** Version 3.5.7 (updated)
  - **pugixml** Version 1.16 (updated) (It is necessary to ship license.txt with your application, see Basics manual 'Open Source')
  - **zlib** Version 1.3.2
  - **Boost C++ Libraries** Version 1.91.0 (updated)
  - **Qt** Version 6.11.1 (updated)
  - **vcredist** version 14.51.36247.0 (updated)

2. Fixed issues

- [DF-1860] Wrong error message in DotNetWrapper when calling Symbolic_ReadMixEx
- [DF-1910] INTERNAL_ERROR_548 when trying to load TIA project containing certain combinations of software units and group folders
- [DF-1922] AGL_BReceive not working
- [DF-1911] Fixes Crash in AGL_InitAdapter() on Embedded Linux
- [DF-1930] Fixes crash during symbol load when certain types of FBs where part of the project
- [DF-1912] Connection loss when reading alot of data with 2 or more connections - Fixed through PLC Firmware update to 4.1.6

3. Known issues

- There are known issues with Siemens firmware V4.0.0 - 4.1.2 for S7-1500, S7-1200 G2. We recommend updating to FW version 4.1.6 or newer.

Product	Version	Date
siAccess	**V7.10**	12.05.2026

4. New or enhanced features and changes

- Addition: Browse on demand for Data blocks.
    - New flag for AGL_Symbolic_LoadSymbolsFromPLCEx: PLC_FILTER_FLAGS_PARTIAL_LOAD
    - New functions: AGL_Symbolic_IsExpanded, AGL_Symbolic_ExpandFromPLC.
    - See manual for explanation and sample
- Support for SINUMERIK 828D
- Support for S7-1500 FW 4.1.2
- Support for S7-1200 G2 FW 4.1.2
- TIA Expert now supports browse on demand when loading a project from PLC
- TIA Expert now supports login on PLC via username and password

5. Fixed issues

- [DF-1860] Wrong error message in DotNetWrapper when calling Symbolic_ReadMixEx
- [DF-1910] INTERNAL_ERROR_548 when trying to load TIA project containing certain combinations of software units and group folders
- [DF-1922] AGL_BReceive not working

6. Known issues

- issues with Siemens firmware V 4 for S7-1500:
    - V4.0.0: The PLC terminates the connection when too much data is read in a single request. Fixed in firmware V4.0.4.
    - V4.0.4, V4.1.0, V4.1.2: The PLC may terminate the connection when two simultaneous connections read data larger than approximately 1300 bytes per request at short intervals. Status: Will be fixed with firmware Version 4.2 (estimated release in December 2026).
    - **Recommendation:** Currently, a downgrade to firmware 3.X for S7-1500 and 1.0.2 for S7-1200 G2 is recommended.

Product	Version	Date
siAccess	**V7.00**	28.01.2026

7. New or enhanced features and changes

- Support TIA Portal V21: Symbol import of TIA Portal V21 projects, online symbol import of PLCs configured with TIA Portal V21
- Support for S7-1200 FW 4.7.3
- Support for S7-1200 G2 FW 1.0.2
- Support for S7-1500 FW 4.1.0
- Support for authentication with username and password (S7-1200, S7-1500)
- Change: The following features are marked as deprecated and will be removed in the future: AGL_ReturnJobNr(), AGL_SetJobNotification[Ex](), AGL_GetJobResult(), AGL_GetLastJobResult(), AGL_DeleteJob(), AGL_WaitForJob(), AGL_WaitForJobEx(), AGL_DialUp(), AGL_HangUp()

8. Fixed issues

- DF 1881: siAccess_DotNET.xml missing English translation
- DF 1886: Java Wrapper Tests: invalid Free() or heap corrupt
- DF 1890: Internal error when importing TIA Project
- DF 1895: Probleme beim Zugriff auf DBs innerhalb von SoftwareUnites
- DF 905: Minimal glibc version for Linux -intel(Desktop)

9. Known issues

- issues with Siemens firmware V 4 for S7-1500:
    - V4.0.0: The PLC terminates the connection when too much data is read in a single request. Fixed in firmware V4.0.4.
    - V4.0.4, V4.1.0: The PLC may terminate the connection when two simultaneous connections read data larger than approximately 1300 bytes per request at short intervals. Status: Open.
    - **Recommendation:** Currently, a downgrade to firmware 3.X is recommended.