

TeSys DTM Library 2.12.0.0

Release Notes

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1. Overview

1.1. Purpose

This document lists the information regarding TeSys DTM Library version **2.12.0.0**

1.2. Scope

The document covers the evolutions of the TeSysDTMLibrary.

1.3. Terminology

Acronym	Name	Definition
DTM	Device Type Manager	Standards based industrial device configuration software https://fdtgroup.org/technology/components/#1478630809280-e377b581-825c

2. Version details

2.1. Required PC Configuration

TeSys DTM Library 2.12.0.0 requires the following minimum configuration.

Component	Version
Processor	1 GHz Intel Pentium or similar
Memory/RAM	1 GB
Free Hard Disk Space	1 GB
Display	1024x768 pixels with 32-bit color
Operating System	Windows 7 (32 or 64-bit) or Windows 10 (32 or 64-bit)
Microsoft .Net Framework	3.5 BCL SP1

2.2. Software Dependencies

TeSys DTM Library 2.12.0.0 is to be used with the following compatible versions

Software	Version	Download Location
SoMove	V2.6.1 or Later	https://www.schneider-electric.com/en/download/document/SoMove_FDT/
Unity Pro	V8.1 or Later	https://www.schneider-electric.com/en/product-range/548-ecostruxure%E2%84%A2-control-expert
SoMachine	V4.1 or Later	https://www.schneider-electric.com/en/download/document/SOMNACS41SP2/
M&M FDT Container	V4 or Later	https://mm-software.com/en/download_form
Modbus Communication DTM	V2.6.0	Installed with SoMove, SoMachine, or Unity Pro
USB to CANOpen Communication DTM	V1.1.2	Installed with SoMove, SoMachine, or Unity Pro
Microsoft .NET Framework	3.5 SP1	Windows7: Preinstalled Windows 8, 8.1, or 10: Install from Microsoft https://www.microsoft.com/en-us/download/details.aspx?id=21

3. Version History

3.1. Current Version

Software Component Name	Version
TeSysDTMLibrary	V 2.12.0.0
TeSys U DTM	V 2.8.0.0
TeSys T DTM	V 2.12.0.0

3.2. New Features

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- Integration of TeSys T Pack 10 Firmware v2.8
- Integration into Schneider Electric Software Update (SESU) for software deployment
- TeSys Programmer (firmware upgrade tool) updated from v1.8.0 to v2.0.0
- Russian language added
- Chinese language added
- Optimized cyclic scanning to reduce network traffic
- Updated control interface in Unity Pro (DHCP = Disabled by default)
- Improved variable names and comments for Modbus scanner DDT in Unity Pro
- Improved installer for Windows 7 & 10, 32 & 64-bit
- Command for Enter/Exit Configuration Mode

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- Updated the Monitoring tab -> Metering section to include all subsections (thermal, current, voltage, power) on one page instead of separately.
- Changed "FDR auto backup period setting" min value = 30s instead of 10s for all Ethernet versions
- Added "Broadcast Storm Protection" setting in Communication Configuration section of Parameters List tab for Ethernet versions FW2.7+

3.3. Bug Fixes

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- Operating Time (Register 119&120) displays random data for values above 1 year. Now correct up to 63 years.
- Changing TeSys T version caused SoMove crash
- Incorrect display of UDINT (double register) values for big endian (MSW) and little endian (LSW) based on network/HMI port endian settings (Serial & Ethernet connection)
- Exception error while 'Store to device' for FW2.6 configuration
- Incorrect properties values describing version/date in Unity and Control Panel
- Error while selecting ethernet devices with version 2.4 or below in UnityPro
- Compatibility issues in M&M and Unity Pro cause warning pop-ups
- PTC Binary threshold set to fixed value 2900 ohm

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- Fault Counts reset to zero when disconnecting/saving
- Monitoring tab Voltage section missing
- Firmware Version not displayed when project created offline

3.4. Known Issues & Limitations

- Unity Pro: DINT values not consolidated datatype in IO Scanner and variables list
- Unity Pro: Unit ID = 255 by default and must be manually changed to 1 in IO Scanner
- Some items will appear in English when a language is selected that is supported by the DTM but not supported by SoMove

4. Installation

Executing the setup file will extract the appropriate set of files on the local hard drive. It will then start the installation automatically. Before starting the installation, perform the following checks and preparations:

- Close any running DTM applications (such as SoMove, SoMachine, Unity Pro) before running the setup executable.

Only one version of the DTM will reside on the PC at a time, so upgrading from a previous release of the DTM will uninstall and overwrite previous program data as necessary.

5. Installation Language

The language of the installation wizard is determined by the user language setting defined in Windows. If the user language does not match any of the languages supported by the installation, then the installation dialogs will be displayed in English by default.

6. Installation Directories

By default, TeSys DTMLibrary will be installed in the "Common Program Files" directory which is normally:

For 64-bit OS: C:\Program Files (x86) \Common Files\Schneider Electric Shared\TeSysDTMLibrary

For 32-bit OS: C:\Program Files\Common Files\Schneider Electric Shared\TeSysDTMLibrary

At the above folder, you will find:

- ReadMe – These files contains additional details for TeSysDTMLibrary
- TeSysT – This subfolder contains the program and data files for the TeSys T DTM
- TeSysU – This subfolder contains the program and data files for the TeSys U DTM