TeSys™ DTM Library 2.20.0

Configuration Software for TeSys T and TeSys U

Release Notes

May 2026

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1. Overview

1.1. Purpose

This document lists the information regarding TeSysDTMLibrary version **2.20.0.0**

1.2. Scope

The document covers the version history and 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
FDR	Fast Device Replacement	Ethernet based configuration backup & restore feature for quick device swap-out without use of software

2. Version details

2.1. Required PC Configuration

TeSys DTM Library 2.20.0.0 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 2.20.0.0 is to be used with the following compatible versions

Software	Version	Download Location
SoMove	V2.8.3 or Later	https://www.schneider-electric.com/en/download/document/SoMove_FDT/
Unity Pro / EcoStruxure Control Expert	V8.1 or Later	https://www.schneider-electric.com/en/product-range/548-ecostruxure%E2%84%A2-control-expert
SoMachine / EcoStruxure Machine Expert	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	V2.6.14	Installed with SoMove, SoMachine, or Unity Pro
USB to CANOpen Communication DTM	V1.2.3	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 2.20.0.0**
TeSys U DTM	V 2.8.0.0
TeSys T DTM	**V 2.20.0.0**

3.2. New Features

DTM v2.10.0.0

- 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 v3.0.0
- 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

DTM v2.12.0.0

- 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+

DTM v2.13.0.0

- EULA updated for GDPR compliance: https://gdpr.eu/privacy-notice/

DTM v2.14.0.0

- Improved loading of Custom Logic automatically sets Operating Mode with fewer pop-up messages
- Improved Custom Logic file checking and feedback (NOP & LOGIC_ID)

DTM v2.15.0.0

- Support for Pack 13 firmware v2.9
- IP Allowlist registers added in Pack 13
- Add “FDR Restore Status” register 10004 to Diagnostic tab

DTM v2.17.0.0

- Changed Ip address allowlist -> Ip allowlist range-Subnet mask field from text box to combo box for subnet selection.
- Support for Pack15 firmware v2.7 and Pack16 firmware v3.0.
- Changed the “RSTP disable” description to “RSTP enable” and yes/no value to disable/enable.
- Changed the RSTP Port 1 and 2 default value from “disable” to “enable”.
- Removed the RSTP Path Cost “Automatic/Manual” option and changed the values to 200000(100 Mbit/s)/2000000(10 Mbit/s).
- Changed the “Max. Frame number” description to “Max Transmit count” in the RSTP section.
- TeSys Programmer (firmware upgrade tool) updated from v3.1.0 to v3.2.0.
- Critical word updates.
- Changed Chinese translation in parameter list -> voltage -> "phase imbalance".
- Added icons for each Custom Logic function in Custom Logic Page.
- Added “All Files (*,*)” option for the Files of type selection to open custom logic file.
- Added exception handling pop-up when "send to device" is clicked without compiling the custom logic file.
- Changed pop-up message "Custom Logic file Exceeds 3 Kbytes".
- Changed popup message "IMPR memory space insufficient".
- Handled the Exception of writing 540.
- Logic simulator window is fixed at the same position after selecting the register and clicking “Refresh” instead of reverting to the top.
- Showed Major. Minor build versions(eg:2.0.009) in the MyDevice tab.
- Added text field below the Open Logic Function File button to show the “Running logic File name”.

DTM v2.18.0.0

- TeSys Programmer (firmware upgrade tool) updated from v3.2.0 to v3.3.0.

DTM v2.19.0.0

- TeSys Programmer (firmware upgrade tool) updated from v3.3.0 to v3.4.0.
- Support for Pack17 firmware v3.0
- Improved Custom Logic download, Open and Compile functionality with fewer pop-ups.

DTM v2.20.0.0

- Support for Pack 18 firmware v3.0

3.3. Corrections

DTM v2.10.0.0

- Operating Time (Register 119&120) displays random data for values above 1 year. Now correct up to 63 years.
- Changing TeSysT 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

DTM v2.12.0.0

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

DTM v2.13.0.0

- None

DTM v2.14.0.0

- Russian Language issues with inability to select some drop-down parameters
- Russian Language blank pop-up messages
- FDR Manual Backup & Restore commands not always available for Ethernet devices
- Installer overwrites SESU URL incorrectly

DTM v2.15.0.0

- Exception handling of FDR backup/restore commands

DTM v2.17.0.0

- Horizontal/Vertical scrollbar missing in Operate menu IO Section
- TesysDTM build uninstallation issue
- Incorrect display of “Motor Temperature in Degree” from register 464 for negative values
- CanOpen FW 2.4 to 2.1 Parameters value is not properly displayed when project is created offline
- Register 549 not read at Connect
- CanOpen Load from Device issue in Deutsch and espanol Language
- Grayed out "Ground current Disable While motor starting" field under parameter list tab if it is not in config mode

DTM v2.18.0.0

- Not allowed same logic id which already device have for store to device.

DTM v2.19.0.0

- Store to device-Cancel gives an unexpected error message.
- Store the custom logic file without compiling.
- Create project offline issue for Canopen protocol-Russian(pyccKNN)-3.0 to 2.5 firmware.

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 located at:

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:

- ReleaseNotes.EN.rtf – This file that 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