Schneider Electric Altivar Soft Starter ATS490 DTM Library V1.2.1

- Release Notes -

This document contains important information about the Altivar Soft Starter ATS490 DTM Library software component and Release Content.

1. Package Content

Software Component Name	Version
Altivar Soft Starter ATS490 DTM Library	V1.2.1
Altivar Soft Starter ATS490	V1.2.1.0

2. Features

> Support of firmware V1.2IE03.

> Altivar Soft Starter ATS490 device reference topology for device supports from 17A to 1200A references.

> My Device tab provides detailed device characteristics.

> My Dashboard tab provides monitor device parameters in a single screen where user can select additional parameters according to application.

> Parameter list tab provides all configuration parameters to configure the application in ATS490.

> Diagnostics tab provides detailed Error and warning information configuration settings for troubleshooting.

> Display tab provides detailed monitoring of different parameters groups from ATS490.

> Device function provides various device functions such as Modify Topology, Control Panel, Factory Settings, Import/Export Configuration, Backup/Restore Device, HMI Personalization, Device Restart etc. to configure ATS490.

> Import and Export feature helps the user to save ATS490 configuration file in .cfg format.

> DTM online help for users to refer, ATS490 configuration settings.

> Support for Import and Export of Backup image file (*.bki) consisting of the device parameters configuration and the security configuration.

> Enable user to set security profile when device is in root state(Factory state).

> Admin options tab to configure cyber security settings

>> DTM comes with a new set of features to provide more secured connection to the device over Modbus Serial Fieldbus and Modbus TCP/ Ethernet IP. DTM can monitor, control and configure the device which is certified with IEC62443-4-2 compliance

>> In a few words:

>> User authentication will be required at every attempt to connect to the device. **Note**: this mechanism is by default enabled but the user can still disable it if required.

>> With each of the purchased product, a default password is available (displayed on the display terminal of the product). However, at each authentication attempt, the user will be requested to define a different and secured password (according to a customizable password policy). It remains possible to keep the default password temporarily, but the same reminder will pop up over again during next connection attempts

>> The User authentication can be enabled/disabled and the Password, Pin policies can be modified from the Admin options node.

>> The User Management feature, allows the creation and management of multiple users with different roles and permissions.

>> Support for Import and Export of SECP file (*.secp) consisting of the security configuration.

>> The access to the device ports and services can be enabled/disabled.

>> The brute force mitigation feature allows the user to restrict from having multiple invalid login attempts. Session timeout can be configured to disconnect the user after a certain period of inactivity. The user will be prompted to re-authenticate when the session is timed out.

>> User can lock\unlock the device topology.

>> User can customize the system use notification text displayed at the first connection .

>> User can download system logs, application logs, error logs and warning logs.

>> Date\Time synchronization feature allows the user to synchronize the device date and time with the PC date and time.

>> The After Sales feature, allows the user to enable the access to Service Tab, i.e, enable the after sales service personnel to troubleshoot in case of any issues observed

3. Change Log

3.1 What's new in V1.2.1

3.1.1 Evolutions

> Support of ATS490 V1.2IE03 firmware

> Support of profinet V2 module VW3A3647

Note: Profinet parameters can be configured through the DTM; however, the DTM does not support communication via Profinet module port.

3.2 What's new in V1.1.2

> First Version

> Support of ATS490 V1.1IE01 firmware

4. System Requirement

4.1 Supported operating systems

This software can be installed on the following operating systems:

> Microsoft Windows 10 32/64-bit

> Microsoft Windows 11 64-bit

4.2 Minimum PC Requirements

Equipment	Minimum
Processor	Pentium 4 / Core 2 Duo, 2 GHz
RAM	2 GB
Free Hard Disk Space	1 GB of free disk space Must be available
Display	Resolution: 1366 x 768 pixels with 32 bit colors DPI: 96 (100%)

4.3 Recommended PC Requirements

Equipment	Recommended
Processor	Intel(R) Core(TM) i3
RAM	4 GB
Free Hard Disk Space	2 GB
Display	Resolution: 1920 x 1080 pixels with 32 bit colors DPI: 96 (100%)

5. Some restrictions which we are working on

> In the "My Device" tab, when you click once on a cell under the "Material" column, it selects the cell. A second click will then select the button to either download or launch the help document for the fields where both the download and view buttons are placed within a single cell.

> Currently, DTM supports the English language, and support for other languages will be provided through dedicated language packs in upcoming releases.

> Downloading logs via Modbus RTU communication takes a considerable amount of time, we are working on improving it, meanwhile It is advised to use a Modbus TCP connection for faster download speeds.

6. Container Supported

> SoMove V2.10.0 and above

> EcoStruxure Control Expert V16.1 and above

7. Altivar Soft Starter DTM in Control Expert

7.1 Versions Provided & Compatibility

Activity	Version
Altivar Soft Starter ATS490 DTM	V1.2.1.0
Altivar Soft Starter ATS490 Firmware	V1.2IE03
ControlExpert	V16.1
EcoStruxure Control Expert PSx DTM Library	V3.20.24299.03
M580 CPU RUN boot	V4.30
M580 BME CPU	V4.30

7.2 Known issues or Observations:

> NA