



SOFTWARE RELEASE NOTES

DTM Collection FieldConnex



Software Details

Software Name: DTM Collection FieldConnex
Release Version: 1.9.0.2268
Release Date: 2023-11-21

Release Notes for Software Version 1.9.0.2268

Description

The software package comprises the DTM collection FieldConnex. Each of the included DTMs configures and parameterizes a corresponding hardware device as stated in this document.

To operate a DTM a compatible FDT framework such as listed in the section 'Compatibility Notes' needs to be installed along with it.

Prior to the installation and use of the software package in whole or in parts you have to agree to the terms of an End User License Agreement (EULA).

Related Products

- HD2-GTR-4PA, PROFIBUS DP/PA Gateway
- HD2-GTR-4PA.PN, PROFINET / PROFIBUS PA Gateway
- *D0-MIO-Ex12.PA.* , Multi-Input/Output Device for PROFIBUS PA
- *D0-TI-Ex8.PA.* , Temperature Multiplexer for PROFIBUS PA
- ARS11-*-*-* , Ethernet-APL Rail Field Switch

Included Software Components

- HD2-GTR-4PA.PN DTM 1.1.0.2268
- PROFINET IO Communication DTM 1.1.0.2268
- HD2-GTR-4PA DTM 2.0.15.2268
- *D0-MIO-Ex12.PA.* DTM 1.0.6.2268
- *D0-TI-Ex8.PA.* DTM 1.1.6.2268
- ARS11-*-*-* DTM, 2.1.0.2268 (at least Firmware Version PANOS 1.2.1)

System Requirements

- Hardware
 - x86/x64 compatible processor, min. 1GHz
 - 1GB Ram
 - 500 MB free disk space
- Windows operating system
 - Windows 7 (32Bit, 64Bit)
 - Windows 8 (32Bit, 64Bit) / Windows 8.1 (32Bit, 64Bit)
 - Windows 10 (32Bit, 64Bit)

- Windows 11 (32Bit, 64Bit)
- Windows Server 2008 R2
- Windows Server 2012 / Windows Server 2012 R2
- Windows Server 2016
- Microsoft .net Framework 2.0, 3.0 or 3.5
- Administrator privileges during installation

Changes

- Ethernet-APL Devices (ARS ia and ARS ic) require at least a Firmware Version PANOS 1.2.1

New features

- Ethernet-APL Rail Switches can be configured by inserting an iDTM from CodeWrights beneath the Switch's Gateway DTM. The iDTM employs the switch FDI Package and hence provides therefore the same functionality. With PACTware 6 the iDTM is included in the DTM library. Check with other FDT frame vendors for iDTM support.
- You can change the address of connected PROFIBUS PA devices manually using the Ethernet-APL Rail Switch DTMs. Normal operation does not necessitate manual address changes because the switch manages them automatically.

Changed features

- The PROFINET IO Communication DTM offers a separate configuration field for "Name of Station" and doesn't implicitly use the Tag for this anymore.

Bug Fixes

- PROFINET IO Communication DTM may crash when a FDT2 Child DTMs closes the connection.
- PROFINET IO Communication DTM may not retry frames correctly when communication to device is disturbed

Compatibility Notes

- HD2-GTR-4PA, HD2-GTR-4PA.PN:
 - Compatible with FieldConnex Diagnostic Manager Version 2 only
- FDT Frameworks qualified by Pepperl+Fuchs for the DTM of the product HD2-GTR-4PA.PN:
 - Endress+Hauser FieldCare 2.14.00.2193
 - PACTware Consortium PACTware 6.1.0.15
- FDT Frameworks qualified by Pepperl+Fuchs for the PROFINET IO Communication DTM:
 - Endress+Hauser FieldCare 2.14.00.2193
 - PACTware Consortium PACTware 6.1.0.15
- FDT Frameworks qualified by Pepperl+Fuchs for the Ethernet-APL Rail Field Switch (ARS11-*-*-* *) DTM:
 - PACTware Consortium PACTware 6.1.0.15
- FDT Frameworks qualified by Pepperl+Fuchs for the DTM of the product HD2-GTR-4PA:
 - ABB Freelance Engineering V2016
 - ABB Composer Melody 6.3 SP2



- Endress+Hauser FieldCare 2.14.00.2193
- PACTware Consortium PACTware 6.1.0.15
- Schneider Electric Unity Pro XL V8.0 - 131118
- FDT Frameworks qualified by Pepperl+Fuchs for the DTM of the product *D0-MIO-Ex12.PA.*:
 - ABB Freelance Engineering V2016
 - ABB Composer Melody 6.3 SP2
 - Endress+Hauser FieldCare 2.14.00.2193
 - PACTware Consortium PACTware 6.1.0.15
 - Schneider Electric Unity Pro XL V8.0 - 131118
 - Yokogawa PRM 4.02.00 (DTMWorks 3.00)
- FDT Frameworks qualified by Pepperl+Fuchs for the DTM of the product *D0-TI-Ex8.PA.*:
 - ABB Freelance Engineering V2016
 - ABB Composer Melody 6.3 SP2
 - Endress+Hauser FieldCare 2.14.00.2193
 - PACTware Consortium PACTware 6.1.0.15
 - Schneider Electric Unity Pro XL V8.0 - 131118
 - Yokogawa PRM 4.02.00 (DTMWorks 3.00)

Outdated Version 1.8.0.2200 Change Log

Included Software Components

- HD2-GTR-4PA.PN DTM 1.0.6.2200
- PROFINET IO Communication DTM 1.0.6.2200
- HD2-GTR-4PA DTM 2.0.14.2200
- *D0-MIO-Ex12.PA.* DTM 1.0.5.2200
- *D0-TI-Ex8.PA.* DTM 1.1.5.2200
- ARS11-*-* DTM, 2.0.0.2200 (at least Firmware Version PANOS 1.0.2)

Changes

- Ethernet-APL Devices (ARS ia and ARS ic) require at least a Firmware Version PANOS 1.0.2
- Project persistence of ARS DTMs from prior versions are not up-gradable. Remove and add DTMs again once.
- New features
- DTMs from previous version are for ARS ic, Support for ARS ia added as separate DTM.
- Changed features
- Channel numbers use two digits (e.g. 01 instead of 1) for better sorting of channels in FDT Frames



- The latest PI specified version of PN communication protocol for PROFIBUS PA Devices acyclic communication coupling is used (FB_CALL)

Bug Fixes

- ARS ic DTM: No acyclic communication possible to PROFIBUS PA Devices with address 126
- ARS ic DTM connects also to devices with a different channel count than the DTM (e.g. 24 channel DTM connected to a 8 channel Switch without error message)
- MIO DTM may crash on shutdown when multiple Online Windows are opened at the same time and afterwards closed in dedicated order.

Outdated Version 1.7.1.2159 Change Log

Included Software Components

- HD2-GTR-4PA.PN DTM 1.0.5.2159
- PROFINET IO Communication DTM 1.0.5.2159
- HD2-GTR-4PA DTM 2.0.13.2159
- *D0-MIO-Ex12.PA.* DTM 1.0.4.2159
- *D0-TI-Ex8.PA.* DTM 1.1.4.2159
- ARS11-*-*-* DTM, 1.0.2.2159

Changes

- Improved FDT scanning functionality for Profinet DTM's

Bug Fixes

- Upgraded log4net to address potential vulnerability (CVE-2018-1285)

Outdated Version 1.7.0.2146 Change Log

Included Software Components

- HD2-GTR-4PA.PN DTM 1.0.4.2146
- PROFINET IO Communication DTM 1.0.4.2146
- HD2-GTR-4PA DTM 2.0.12.2146
- *D0-MIO-Ex12.PA.* DTM 1.0.3.2146
- *D0-TI-Ex8.PA.* DTM 1.1.3.2146
- ARS11-*-*-* DTM, 1.0.1.2146

Changes

- DTM for Ethernet-APL Rail Field Switch (ARS11-*-**) added



Bug Fixes

- none

Outdated Version 1.6.2.2132 Change Log

Changes

- Support for Windows 10 / Windows Server 2016 added
- Support for M&M FDT Container added
- Support for Schneider Unity added

Bug Fixes

- Several small improvements regarding stability, usability and performance

Outdated Version 1.6.1.1948 Change Log

Changes

- Several issues related to ABB Composer Melody integration were fixed

Outdated Version 1.6.0.1911 Change Log

Changes

- Removed DTM for FD0-VC-Ex4.PA (FD0-VC-Ex4.PA is discontinued, DTM moved to a separate setup)
- Added DTM for *D0-MIO-Ex12.PA.*
- Added Firmware updated for *D0-TI-Ex8.PA.* (Requires Firmware 1.0.5.671 and newer)
- Fixed a GSD DTMInformation issue for *D0-TI-Ex8.PA.* , HD2-GTR-4PA
- Fixed failure when adding some PROFIBUS Device DTMs to HD2-GTR-4PA.PN DTM
- Several minor improvements in all DTMs of this package

Outdated Version 1.5.0.1662 Change Log

Changes

- DTM for HD2-GTR-4PA.PN added
- PROFINET IO communication DTM added



Outdated Version 1.4.1.1370 Change Log

Changes

- Added support for Schneider Electric Unity Pro XL V8.0 - 131118 to HD2-GTR-4PA and *D0-TI-Ex8.PA.*
- Updated manual for FD0-VC-Ex4.PA

Outdated Version 1.4.0.1153 Change Log

Changes

- DTM for *D0-TI-Ex8.PA.* added
- HD2-GTR-4PA DTM changed to .net 2

Outdated Version 1.3.8.289 Change Log

Changes

- DTM HD2-GTR-4PA: Fixed persistency data loading problems when upgrading from DTM versions 2.0.4 and earlier.

Outdated Version 1.3.7.123 Change Log

Changes

- New: DTM HD2-GTR-4PA: User interface redesigned.
- New: DTM HD2-GTR-4PA: FDT style guide conform GUI
- Improved: DTM HD2-GTR-4PA: Block data entry mode GUI instead of direct data entry mode

Outdated Version 1.3.6.0 Change Log

Changes

- Fixed DTM HD2-GTR-4PA: When running in ABB Composer the DTM has cleared the watchdog enable bit in the parameter set of the gateway built-in slave. This led to a disabled watchdog function by mistake.
- Fixed DTM HD2-GTR-4PA: The DTM reports not to be qualified for the ABB Composer framework.



Outdated Version 1.3.5.0 Change Log

Changes

- The License activation tool is no longer installed during the setup procedure
- DTMs are now fully featured after installation, no licensing procedure and fee required any longer.
- Diagnosis text strings modified in the HD2-GTR-4PA DTM to match with text strings of Advanced Diagnostic Module DTM.
- Software package qualified for PACTware V3.5

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- Logic control units