

PROFIdtm

Easy Parameterization and Diagnosis of PROFIBUS Devices

Easy Parameterization and Maintenance

PROFIdtm, Softing's Communication Device Type Manager (Comm DTM) for PROFIBUS, is one of the first three FDT-Group certified DTMs worldwide. PROFIdtm saves considerable time and money in the commissioning, diagnosis and maintenance of PROFIBUS projects. It allows all devices that provide a DTM to be configured and parameterized without programming efforts and without the tedious studying of descriptions. Leading manufacturers of FDT engineering tools use PROFIdtm for PROFIBUS access.

Your Advantages

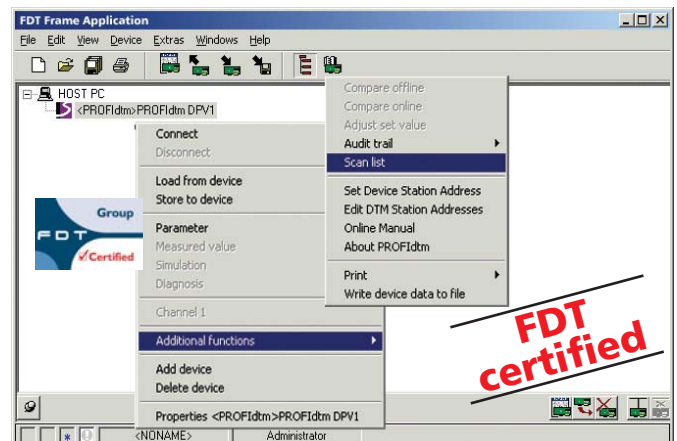
- Baud rate auto recognition in running PROFIBUS plants (from version 2.10)
- Automatic identification of connected devices in the PROFIBUS network
- Automatic loading of DTMs for the devices found
- Integrated live list with detailed device information
- Automatic calculation of the communication parameters
- Alteration of the device address
- Use in PA networks via transparent DP-V1/PA gateways or PA links with gateway DTM
- Optional FDT interfaces including audit trail
- Vast logging and tracing possibilities
- Works with PACTware™, FieldCare, SmartVision, FDT Navigator, CX PROFIBUS, FieldMate and other FDT frame applications

Description

PROFIdtm is a Communication Device Type Manager according to FDT, the standardized software interface for the configuration, parameterization and handling of intelligent field devices. PROFIdtm provides any DTMs with a communication channel for data exchange with the field devices. It acts as a PROFIBUS DP-V1 master class 2 and handles the complete protocol-specific management of communication with the devices. It can be used with any FDT compliant frame application under Windows 98/NT/2000/XP.

PROFIdtm offers a high communication performance as well as excellent configuration and commissioning support. In running PROFIBUS plants PROFIdtm identifies the baud rate and auto-

Product Information



matically sets the right communication parameters. By actively scanning the entire PROFIBUS address space, PROFIdtm finds all the devices that are connected in a network. The found devices are added to a live list and displayed in the engineering tool together with their names, addresses and PROFIBUS identification numbers. By selecting a device from the live list, the user can display additional device data such as the hardware and software versions, serial number or manufacturer-specific properties.

The physical address of a device can be changed directly from the live list. The DTMs that match the PROFIBUS IDs can be automatically loaded into the engineering tool. The parameterization and diagnosis of devices can thus be performed immediately, practically without manual operation. Besides easy parameterization and diagnosis of PROFIBUS devices, PROFIdtm also provides access to HART devices via remote I/Os. All PC interfaces from Softing, which comply with the form factors ISA, PCI, PC/104, PCard and PROFusb, Softing's PROFIBUS USB interface, as well as the Ethernet/PROFIBUS gateways FG-100 and FG-300 can be used for physical access to the PROFIBUS.

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Product Information

PROFIIdtm: Easy device parameterization and diagnosis

PROFIIdtm "Single Channel" Version

The single-channel version of PROFIdtm allows accessing any number of devices connected to one PROFIBUS line. With this version, an FDT frame application can load PROFIdtm only once; i.e. only one physical PROFIBUS line can be accessed.

PROFIIdtm "Full Version"

The full version of PROFIdtm allows addressing any number of devices on one or multiple PROFIBUS networks in parallel. With this version, PROFIdtm can be loaded as many times as desired.

Each instance of PROFIdtm in an FDT frame application can be assigned to one physical PROFIBUS line, e.g. one channel of a two-channel PROFIboard PCI card or one channel of a three-channel FG-300. In this way, multiple device DTMs can simultaneously communicate with PROFIBUS devices on different PROFIBUS networks.

Technical Data

Type of bus station	Master class 2 with DP-V1 services CONNECT, DISCONNECT, READ, WRITE and ABORT
FDT Specification	Mandatory services according to FDT Version 1.2, optional FDT interfaces IDtmDocumentation, IDtmParameter, IDtmAuditTrailEvents, ProgressBar
FDT user roles	<ul style="list-style-type: none">■ For "Bus Configuration" and "Set Device Station Address:" user role "Maintenance"■ For "Start/Stop Audit Trail:" user role "Planning Engineer"■ For "Edit DTM Station Addresses:" user role "Maintenance"
User Interface	Internationalization (UTF8) and localization for English and German
Number of PROFIBUS channels that can be operated simultaneously	Any number (full version); one channel per PROFIdtm instance
Hardware requirements	<ul style="list-style-type: none">■ Windows-enabled PC■ PROFIboard ISA, PROFIboard PCI, PROFIcard, PROFI104, PROFIusb (for Windows 2000 and XP), or (except with Windows 98) FG-100 PROFIBUS, FG-300 PROFIBUS
Operating systems	Windows 98/NT SP6/2000/XP
Documentation	Printed Getting Started manual and online help in English and German
Special features	<ul style="list-style-type: none">■ Baud rate auto recognition in running PROFIBUS plants (from version 2.10) resp. automatic calculation of bus parameters in dependence on the baud rate■ Bus topology scan (automatic identification of connected devices if this is supported by the frame application)■ Integrated live list with detailed device information■ "Set Device Station Address" service for setting the physical address of a device■ "Edit DTM Station Addresses" service for setting the device addresses in the device DTM
Copy protection	Software key or Aladdin Hardlock (for USB or parallel port)

Order Number

DTM-PB-x	PROFIIdtm, software-based copy protection
DTM-PB-x/USB	PROFIIdtm, USB hardlock for copy protection
DTM-PB-x/PAR	PROFIIdtm, parallel port hardlock for copy protection

x = S: single channel – one PROFIBUS line
x = F: full version – multiple PROFIBUS lines