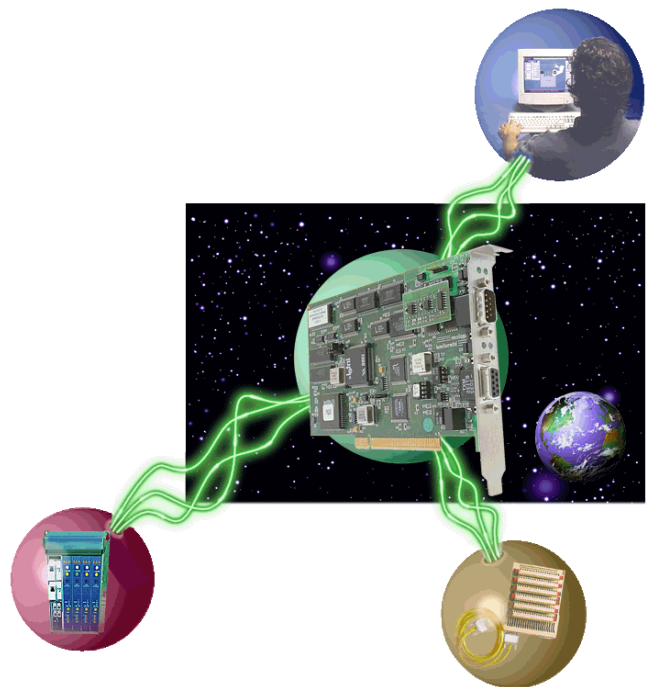


Introduction to the CommDTM Woodhead Profibus DPV1

Document Edition:1.0

a product of Woodhead Software & Electronics



Document Edition:**Date:** May 30, 2006**This document applies to the CommDTM Woodhead Profibus DPV1 product.**

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1 Preface

Preface Sections:

- Purpose of this Guide
- Conventions

Purpose of this Guide

This guide contains technical and product-related information on the CommDTM Woodhead Profibus DPV1 product.

This CommDTM is an OLE software component included within a system that can be used to configure and run diagnostics on Profibus DPV1 device (including PA).

Conventions

This guide uses stylistic conventions, special terms, and special notation to help enhance your understanding.

Terminology

The following special terms are used throughout this guide:

<i>Card</i>	the SST-PFB3-PCI interface card.
<i>DTM</i>	Device Type Manager. OLE software component.
<i>CommDTM</i>	OLE software component which is the interface with the network.
<i>DTM container</i>	OLE software component which contains Device DTMs and CommDTMs.
<i>FDT frame application</i>	See <i>DTM container</i> .
<i>Device DTM</i>	OLE software component which allows to configure and run diagnostic of Profibus DPV1 device

Special Notation

The following special notations are used throughout this guide:



Warning

Warning messages alert the reader to situations where personal injury may result. Warnings are accompanied by the symbol shown, and precede the topic to which they refer.



Caution

Caution messages alert the reader to situations where equipment damage may result. Cautions are accompanied by the symbol shown, and precede the topic to which they refer.



Note

A note provides additional information, emphasizes a point, or gives a tip for easier operation. Notes are accompanied by the symbol shown, and follow the text to which they refer.

2 The CommDTM Woodhead Profibus DPV1 solution

Chapter Sections:

- Introduction
- The concept
- Content of the package
- Main features
- Software installation

2.1 Introduction

Welcome to the world of industrial communication with CommDTM Woodhead Profibus DPV1.

The CommDTM Woodhead Profibus DPV1 solution provides you a commDTM interface to use with DTM container and FDT Frame application. This component has been certified by FDT SIG. This technology uses Profibus DPV1 layer to configure and diagnose PA devices with user-friendly Device DTM.

This solution uses a Woodhead SST-PFB3-PCI card to install in your computer and to connect to the Profibus network.

The majority of the functionalities of CommDTM Woodhead Profibus DPV1 are set out briefly below. To obtain more detailed information on these functionalities, refer to the corresponding manual.

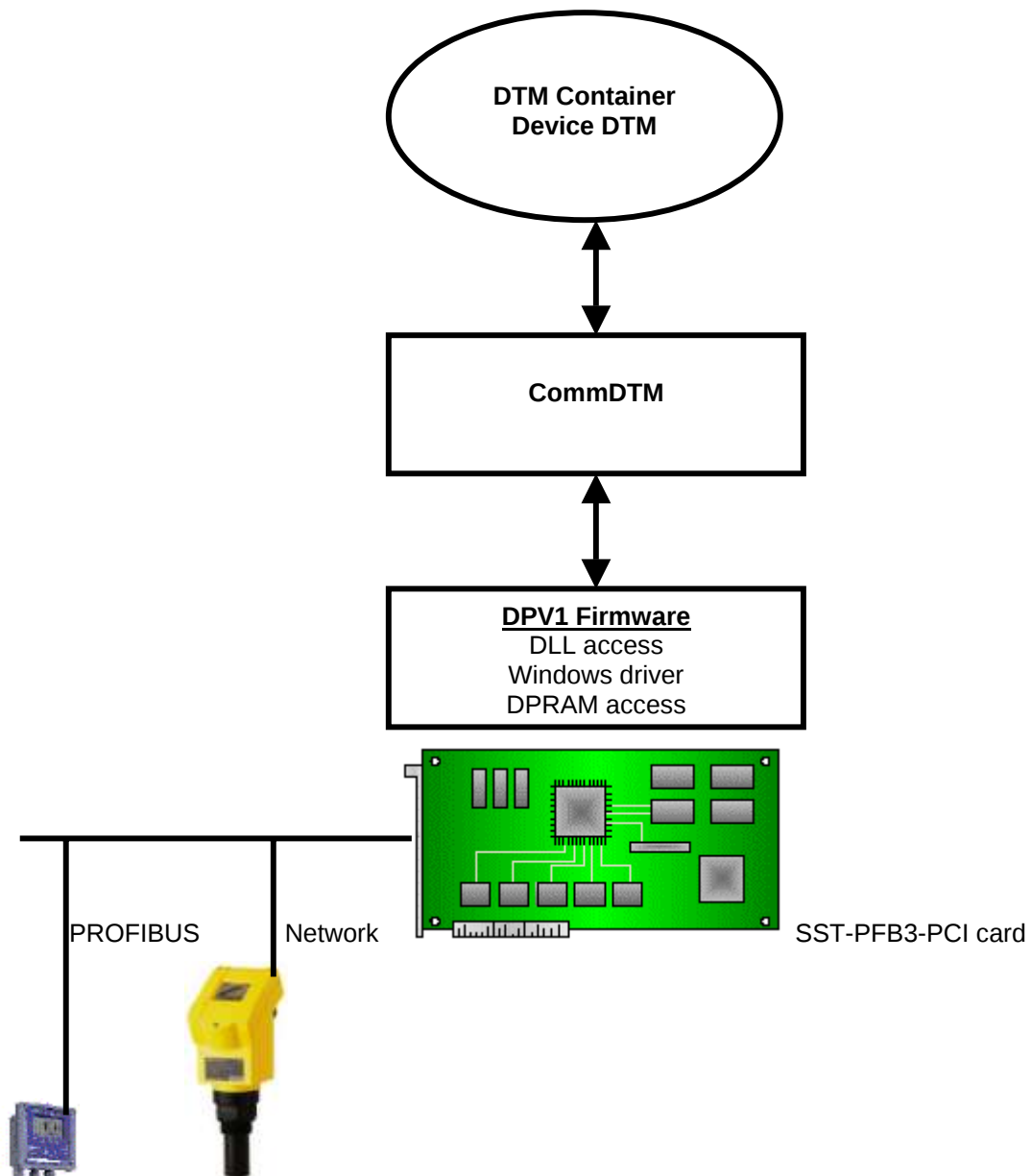


Warning

To improve the Plug&Play mechanisms, it is highly recommended that the Woodhead Profibus software is installed first before installing the board(s) in the computer.

2.2 The concept

CommDTM Woodhead Profibus DPV1



2.3 Content of the package

You have just purchased the CommDTM Woodhead Profibus DPV1 product. It is delivered in a case containing the following items:

Items	Description
1 CD-ROM.	With the CD-Browser, the CD-ROM navigation tool, you will find the following content: Product installation , including the full version of CommDTM Woodhead Profibus DPV1. Documentation , including a version which can be consulted on line. Access to the Woodhead web site to consult on the Internet the latest product information and download the software updates The contacts full address details to reach Woodhead, its subsidiaries and the distributors throughout the world.
1 Profibus Generation 3 card (only deliver with a card order)	This is the hardware interface, which implements the communication with your Profibus DP network. You must install it in your computer.



Warning

To improve the Plug&Play mechanisms, it is highly recommended that the Woodhead Profibus software is installed first before installing the card(s) in the computer.

2.4 Main features

- Range of NIC form factor based on PFB3 hardware
- DPV1 embedded in the PFB3 card (firmware feature).
- Could support the use of several PFB3 cards.
- Profibus DP protocol features: DPV1 Master Class 2.
- Driver for Windows operating system 32 bits (Windows NT, Windows 2000, Windows XP).
- CommDTM. The device DTMs use the CommDTM to access to the Profibus devices.
- Documentations in English in PDF and chm files.

2.5 Software installation

CommDTM Woodhead Profibus DPV1 software comes on CD-ROM.

The Woodhead Profibus CD-ROM starts automatically. Once your operating system is running, the **CD-Browser** navigation application will start automatically as soon as you insert the CD-Rom in the drive.

From the CD-Browser, you can access notably to the following options:

- Installation of the CommDTM Woodhead Profibus DPV1 software.
- Consultation of the product documentation.
- Scan the content of the CD-ROM
- Access the Woodhead Web sites (if your PC has an Internet connection)
- Address details of the international subsidiaries, distributors and retailers of Woodhead Software & Electronics products



Note

The CD-Browser can be started by running **setup.exe**, in the root directory of the CD-ROM.

2.5.1 Prerequisites

- The Woodhead Profibus hardware solution is only compatible with Microsoft **Windows NT4.0 (Intel processor) and Windows 2000/XP**.
- The computer must either have its own CD-ROM drive or have a network connection to a computer with the CD-ROM drive.
- The user session opened must be "**Administrator**". (Consult your network administrator otherwise.)
- All your applications must be closed before starting the installation process.

2.5.2 For an update

- If you have a previous version of SST Profibus (5136 or PFB3) or Woodhead Profibus installed, **you have to remove it before starting the installation process**.

2.5.3 Installation procedure

To install the product on your computer, proceed as follows:

- Start Windows (NT 4.0, 2000, XP)
- Open an administrator session
- Insert the Woodhead Profibus CD-ROM. The CD-Browser will start automatically otherwise start Setup.exe in the root directory.
- Select the product installation section. Then select CommDTM. The program now runs and the CD-Browser closes automatically.

- Follow the steps of the installation program. **You are strongly recommended to use the default installation directory.** In addition, you are strongly recommended not to select the path corresponding to a previous version of Woodhead Profibus.
- After CommDTM Woodhead Profibus DPV1 has been installed on your machine, **you must reboot.**

2.5.4 Maintenance mode

The installation program starts automatically in this mode if the present version is already installed on the machine. In this case, you have a choice of three maintenance options:

- **Modify** (1): to add or delete product components.
- **Repair** (2): to repeat the last installation carried out.
- **Delete** (3): to completely deinstall the product.

2.5.4.1 Repair mode

Repair mode is used to repeat the last installation carried out. Run this option when the product no longer operates due to an accidental action, for example:

- .dll, .exe, etc. files deleted
- Registry damaged
- ...

Repair mode reinstalls the product as during the initial installation.



Caution

If a service pack has been installed, after executing repair mode **you must reinstall the service pack.**

3 Warranty and Support

Appendix Sections:

- Warranty
- Reference Documents
- Technical Support

3.1 Warranty

For warranty information pertaining to the card, refer to <http://www.mysst.com/warranty.asp>.

3.2 Reference Documents

For information on Profibus, refer to one of the following:

- Profibus standard DIN 19 245 parts 1, 2 and 3. Part 1 describes the low-level protocol and electrical characteristics, Part 2 describes FMS, and Part 3 describes DP.
- European Standard EN 50170
- International Electrotechnical Commission IEC 61158

3.3 Technical Support

Please ensure that you have the following information readily available before calling for technical support:

- Card type and serial number
- Computer's make, model and hardware configuration (other cards installed)
- Operating system type and version
- Details of the problem you are experiencing: application module type and version, target network, and circumstances that may have caused the problem

3.3.1 Getting Help

Technical support is available during regular business hours by telephone, fax or email from any Woodhead Software & Electronics office see [contacts](#), or from <http://www.woodhead.com/>.

Documentation and software updates are also available on the Web site.

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