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- Guide to Add-Ons
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Introduction

Monitor Pro supervisory control software is supplied on 4 CD-ROMs :

- 1 System CD-ROM
- 1 Device Interface CD-ROM
- 1 Documentation CD-ROM
- 1 Add-Ons CD-ROM

When installed, the System and Device Interface CD-ROMs form the base of the Monitor Pro software.

Both CD-ROMs must be installed in order to benefit from all basic functions, in particular from communications with Schneider Automation PLCs.

Please refer to the "Installation Guide" where instructions for the complete installation of the basic software can be found.

All documentation for Monitor Pro can be found on the "Documentation" CD-ROM. All documents may be viewed and printed with the help of Adobe Acrobat Reader 3.0. The installation instructions can be found in the readme.txt file on the CD-ROM.

The Add-Ons CD-ROM is independent of the Monitor Pro base and is installed after the software base (System and Device Interfaces) on execution of the setup command.

It consists of functions facilitating control and use of Monitor Pro, while strengthening links between the PLC and the supervisory control databases.

- **Introduction**
- *Available Add-Ons*
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AVAILABLE ADD-ONS

Automatic generation of Monitor Pro application documentation

DOCAUTO is a utility enabling structured documentation folders to be generated in the Monitor Pro applications.

The documentation files, together with a title page and footer, can be defined by the user.

Symbol database link

Automatic configuration of communication tables for Monitor Pro applications (read/write tables) using a symbols database for a control system application (X-TEL, PL7, CONCEPT).

Telemecanique file transfer

Transfer of application programs from TSX Series 7 or TSX 37/57 PLCs to binary devices accessible by Monitor Pro and vice versa (hard disk, diskette, server disk, etc).

Data transfer from TSX Series 7 or TSX 37/57 PLCs to binary devices accessible by Monitor Pro and vice versa (hard disk, diskette, server disk, etc).

Comparison of the contents of two accessible devices (Wi data or programs).

Startup or stop of TSX Series 7 or TSX 37/57 PLCs.

Telemecanique direct request

Generation of requests (in addition to standard read/write requests already supported by Monitor Pro).

Reception of responses to requests sent as acknowledgments.

APRIL® Series 1000 ETHWAY communication interface

APRIL® Series 1000 JBUS communication interface

Starter Applications

This function enables preconfigured applications to be created for a specified communications network. When the application is restored, linked instructions help you enter the specific

parameters for your installation, and help you to quickly instigate communication between Monitor Pro and your control systems.

Process View

Process View provides the tools needed to create a supervisory control application on different PLC platforms. This function is available under Windows NT, and includes the following functions :

- Graphs
For configuring and using trend charts.
- Graphic control objects
Includes controller front panels and associated control screens.

Trend charts

Power Object enables simple and fast logging and viewing of Monitor Pro database variables.

Static object library in Power Object format

A static (ie not animated) object library is supplied in "Power Object" format. It contains numerous objects (such as PLCs, computing devices, valves, tanks, buttons, icons, etc), which enable you to speed up and facilitate creation of your synoptics.

To use it, images supplied and placed under {FLINK}\ADDONS\STAT_GPX simply have to be imported into your application from the application editor.

Multiplexing actions

This function is used to configure a sequence of actions on Monitor Pro database TAGS (assignments, calculations, conditions, scales, etc) via a single Trigger.

- **Introduction**
- *PLC Communication*

PLC COMMUNICATION

This list may be extended according to the version of Monitor Pro in use. For further information, please consult your local supplier.

Monitor Pro communicates with all Schneider Automation PLCs :

- Uni-Telway and Modbus networks
 - MODICON TSX Nano
 - MODICON TSX Micro
- Uni-Telway, Modbus, Ethway, Fipway, XIP, ISAWAY and Modbus Plus networks
 - MODICON TSX Premium (TSX 57-xx, PMX 57-xx and PCX (57-xx) series)
- Modbus, Modbus Plus and Modbus Ethernet networks
 - MODICON TSX Quantum
 - MODICON 984 (Modbus and Modbus Plus)
- Series and Ethernet 802.3 networks
 - Square D SY/MAX
- Modnet 1/SFB and KS functions
 - A120, A250 and A500 (Modnet 1/SFB only)

The Unitelway network driver for Windows 95/98 and Windows NT can be found on the Add-Ons CD-ROM and may be installed directly from the drvutw95 directory for Windows 95/98 or the drvutwnt directory for Windows NT.

The Fipway driver is supplied with an ISA format PC compatible serial communication card (reference TSX FPC 10M).

The Ethway driver is supplied with an ISA format PC compatible serial communication card (reference TSX ETH 10M).

The Modbus Plus driver (Cyberlogic Modbus Plus LNET driver) is supplied with a PC compatible serial communication card (reference AM-SA85-030 for a PC compatible card, AS-SA85-032 for access to a redundant Modbus Plus network, or 416NHM21233 for a PCMCIA type 3 card).

If you already have a card, please contact your local supplier for the latest update of the corresponding Windows 95/98 or NT driver.

Product list

PRESENTATION

Two product families are available :

- Development / operational products: for creating and modifying supervisory control applications
- Execution products : for running supervisory control applications

For each family, there are four basic versions of Monitor Pro available, supplemented by modules. Each version is distinguished by the number of variables handled by the supervisory control application, and by the number of available I/O.

- Small Monitor Pro : 1024 variables and 64 I/O
- Medium Monitor Pro : 1024 variables and 256 I/O
- Large Monitor Pro : 4096 variables and an unlimited number of I/O
- Xlarge Monitor Pro : unlimited number of variables and I/O

All basic versions include the following functions :

- Graphics and realtime system
- Communication interfaces with Schneider Automation PLCs
- Database consultation
- Network connectivity (PowerNet and FLLAN)
- Interpreted math and logic
- OLE interface
- Distributed alarms
- Trend charts
- dBASE IV database interface
- ODBC database interface
- File and report management
- Recipe management
- DDE interface

Additional modules :

- **Product list**

- *Presentation*

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- ORACLE database interface
- SYBASE database interface
- Power SPC (Statistical Process Control)
- CML (Compiled Math and Logic procedures)
- Interfaces for other manufacturers' devices
- Power SQL (advanced consultation and management of databases)
- PAK (including the "Programmers' Access Kit", "EDI PAK" and "CFGPAK", a collection of tools for creating interfaces or programs compatible with Monitor Pro)
- OPC and WebClient or Server Interface (client connection to a Monitor Pro server via OPC or remote access via intranet or internet)
- Schneider Automation Add-Ons

In addition, a subscriber option is available providing updates automatically for a year free of charge.

LIST OF WINDOWS NT PRODUCTS

Software base

MP21NTXLDEV	XLarge Monitor Pro for Win NT, Development and Operation. Unlimited number of variables and I/O.
MP21NTXLRT	XLarge Monitor Pro for Win NT, Operation only. Unlimited number of variables and I/O.
MP21NTLDEV	Large Monitor Pro for Win NT, Development and Operation. Management of variables limited to 4096 variables with an unlimited number of I/O.
MP21NTLRT	Large Monitor Pro for Win NT, Operation only. Management of variables limited to 4096 variables with an unlimited number of I/O.
MP21NTMDEV	Medium Monitor Pro for Win NT, Development and Operation. Management of variables limited to 1024 variables and 256 I/O.
MP21NTMRT	Medium Monitor Pro for Win NT, Operation only. Management of variables limited to 1024 variables and 256 I/O.
MP21NTSDEV	Small Monitor Pro for Win NT, Development and Operation. Management of variables limited to 1024 variables and 64 I/O.
MP21NTSRT	Small Monitor Pro for Win NT, Operation only. Management of variables limited to 1024 variables and 64 I/O.

Options

MP21NTORC	ORACLE database interface, Development and Operation.
MP21NTSYB	SYBASE database interface, Development and Operation.
MP21NTSPC	Power SPC (Statistical Process Control), Development and Operation.
MP21NTCML	CML (Compiled Math and Logic procedure), Development and Operation.

- **Product list**

- *List of Windows NT products*

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MP21NTRV	Interfaces for other manufacturers devices, Development and Operation.
MP21NTSQL	Power SQL (advanced consultation and management of databases), Development and Operation.
MP21NTCAL	WebClient or OPC server (client connection to a Monitor Pro server via intranet or internet), Development and Operation. Includes client connection rights to a Monitor Pro WebClient or OPC server.
MP21NTCOPC	OPC (Monitor Pro OPC client). Development and Operation. Includes Monitor Pro client connection rights to any OPC server.
MP21NTPAK	PAK (including the "Programmers' Access Kit", "EDI PAK" and "CFGPAK", a collection of tools for creating interfaces or programs compatible with Monitor Pro),
MP21NTADD1	Schneider Automation Add-Ons for Win NT, Development and Operation. Includes all Schneider Automation Add-Ons for which rights are required.

LIST OF WINDOWS 95/98 PRODUCTS

Software base

MP2195XLDEV	<p>XLarge Monitor Pro for Win 95/98, Development and Operation. Unlimited number of variables and I/O.</p>
MP2195XLRT	<p>XLarge Monitor Pro for Win 95/98, Operation only. Unlimited number of variables and I/O.</p>
MP2195LDEV	<p>Large Monitor Pro for Win 95/98, Development and Operation. Management of variables limited to 4096 variables and unlimited I/O.</p>
MP2195LRT	<p>Large Monitor Pro for Win 95/98, Operation only. Management of variables limited to 4096 variables and unlimited I/O.</p>
MP2195MDEV	<p>Medium Monitor Pro for Win 95/98, Development and Operation. Management of variables limited to 1024 variables and 256 I/O.</p>
MP2195MRT	<p>Medium Monitor Pro for Win 95/98, Operation only. Management of variables limited to 1024 variables and 256 I/O.</p>
MP2195SDEV	<p>Small Monitor Pro for Win 95/98, Development and Operation. Management of variables limited to 1024 variables and 64 I/O.</p>
MP2195SRT	<p>Small Monitor Pro for Win 95/98, Operation only. Management of variables limited to 1024 variables and 64 I/O.</p>

- **Product list**

- *List of Windows 95/98 products*

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MP2195XLWDEV	<p>XLarge Monitor Pro for Win 95/98, Development and Operation.</p> <p>Unlimited number of variables and I/O.</p> <p>Includes a WebClient or OPC server connection and OPC client interface.</p>
MP2195XLWRT	<p>XLarge Monitor Pro for Win 95/98, Operation only.</p> <p>Unlimited number of variables and I/O.</p> <p>Includes a WebClient or OPC server connection and OPC client interface.</p>
MP2195XLDRVDEV	<p>XLarge Monitor Pro for Win 95/98, Development and Operation.</p> <p>Unlimited number of variables and I/O.</p> <p>Interfaces for other manufacturers' devices.</p>
MP2195XLDRVRT	<p>XLarge Monitor Pro for Win 95/98, Operation only.</p> <p>Unlimited number of variables and I/O.</p>
MP2195XLWDDEV	<p>XLarge Monitor Pro for Win 95/98, Development and Operation.</p> <p>Unlimited number of variables and I/O.</p> <p>Includes a WebClient or OPC server connection, OPC client interface and interfaces for other manufacturers' devices and CML (Compiled Math and Logic procedure).</p>
MP2195XLWDRT	<p>XLarge Monitor Pro for Win 95/98, Operation only.</p> <p>Unlimited number of variables and I/O.</p> <p>Includes a WebClient or OPC server connection, OPC client interface and interfaces for other manufacturers' devices and CML (Compiled Math and Logic procedure).</p>

DOCUMENTATION

Full product documentation is available on the Documentation CD-ROM.

It consists of a set of basic manuals and a set of advanced manuals. The basic manuals are available in English, French and German. The advanced manuals are only available in English.

The basic documentation is also available in printed format with three separate product references depending on the language required.

MP21DOCBASE	Printed basic manuals (English)
MP21DOCBASF	Printed basic manuals (French)
MP21DOCBASG	Printed basic manuals (German)
MP21DOCADVE	Printed advanced manuals (English)

Documents included in the set of printed basic manuals :

- Monitor Pro Add-On Manuals
- Process View design and operation guide
- Basic Principle
- Reference guide
- Application Editor Guide
- Device Interface Guide
- WebClient User Guide
- Power SQL User Guide

Documents included in the set of printed advanced manuals :

- Configuration Guide
- Power SPC Configuration Guide
- Power VB Language Reference Guide
- Programmers' Access Kit
- I/O Translator Guide
- Comprehensive Index

- **Product list**
- *Documentation*
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Chapter 3

Compatibility with previous versions

Monitor Pro is compatible with applications developed from previous versions of MONITOR OCS, Modicon FactoryLink ECS, Modicon FactoryLink 4.x and MONITOR 77/2.

The procedure described in the user documentation should be followed (multi-platform storing in the old version, then retrieving and converting under Monitor Pro).

Monitor Pro provides a more effective distributed management task for alarms: converting the Alarm task parameters to the Distributed Alarm task requires certain manual operations after automatic conversion of the application (FLCONV utility).

In all cases we advise you to read the update notes while consulting the "rnote" files in the Monitor Pro installation directory.

- **Compatibility with previous versions**
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