

- > IS Wizard allows for a complete test and error diagnosis of IS1+ systems including the connected field devices, even without fieldbus function
- > Suitable for Modbus RTU and Profibus
- > In Modbus, an IS1+ system is configured and parameterised by IS Wizard
- > In Profibus, the Profibus master is in charge of configuration and parameterisation; IS Wizard can be used as an option for error diagnosis.
- > Detailed error diagnoses for field stations, modules and signals
- > Reading inputs and outputs, setting outputs
- > Reading and indicating HART variables (PV1 to PV4) from HART field devices



The IS Wizard software is an optional diagnostics tool for Profibus DP installations and runs on a ServiceBus independent from the process bus. In Modbus, the tool is used for the configuration and parameterisation of IS1+ systems. The IS Wizard also serves as a continuous access to HART field devices.



Selection Table

Version	Fault diagnostic	Printing of labels	max. number of input / output modules	Order number
Modbus RTU full version for configuration and parameterisation of an IS1 system	yes	yes	any	9499 / MOD - 00
Profibus DP full version	yes	yes	up to 20	9499 / FULL - 04
			up to 100	9499 / FULL - 05
			> 100	9499 / FULL - 06

Technical Data

System requirements

Requirements on the PC	Processor: at least Pentium 600 MHz Hard disk drive: 30 Megabytes of available space Screen resolution: at least 800 x 600 COM ports: min. 1
Supported operating systems	WINDOWS 98, WINDOWS NT V4.0, WINDOWS 2000 / XP, WINDOWS 7 / 8 / 8.1 / 10

Function

Configuration (type and number of modules) and parameters of all modules for an IS1+ system	Create offline Save in project database Download to IS1+ system Upload to online from IS1+ system (updating the documentation)
Inputs and Outputs (I/O signals)	read online
Outputs (I/O signals)	set online (when operating without automation system)
Diagnostic data from field stations, modules and signals	read online
Module-specific information	read online (type of module, module revision, series number)
Report for project documentation	Print out in lists to the screen, printer or in files • List of the IS1+ field stations • List of the modules of a field station • List of the parameters for CPU & power module • List of the signals of a field station • List of the module and signal parameters of a field station
Project documentation, comments, TAGs	Save to project data base (without download to the IS1+ system)
Labels for IS1+ modules with TAG numbers	print
Import and export of project data (TAGs)	with CSV file format

Operating modes

IS Wizard stand-alone-operation, without fieldbus	all functions, online and offline
IS Wizard and Modbus operation simultaneously	all functions, online and offline
IS Wizard and Profibus DP operation simultaneously	Download all functions to IS1+ system, online and offline, except Configuration and Parameter online

Technical Data

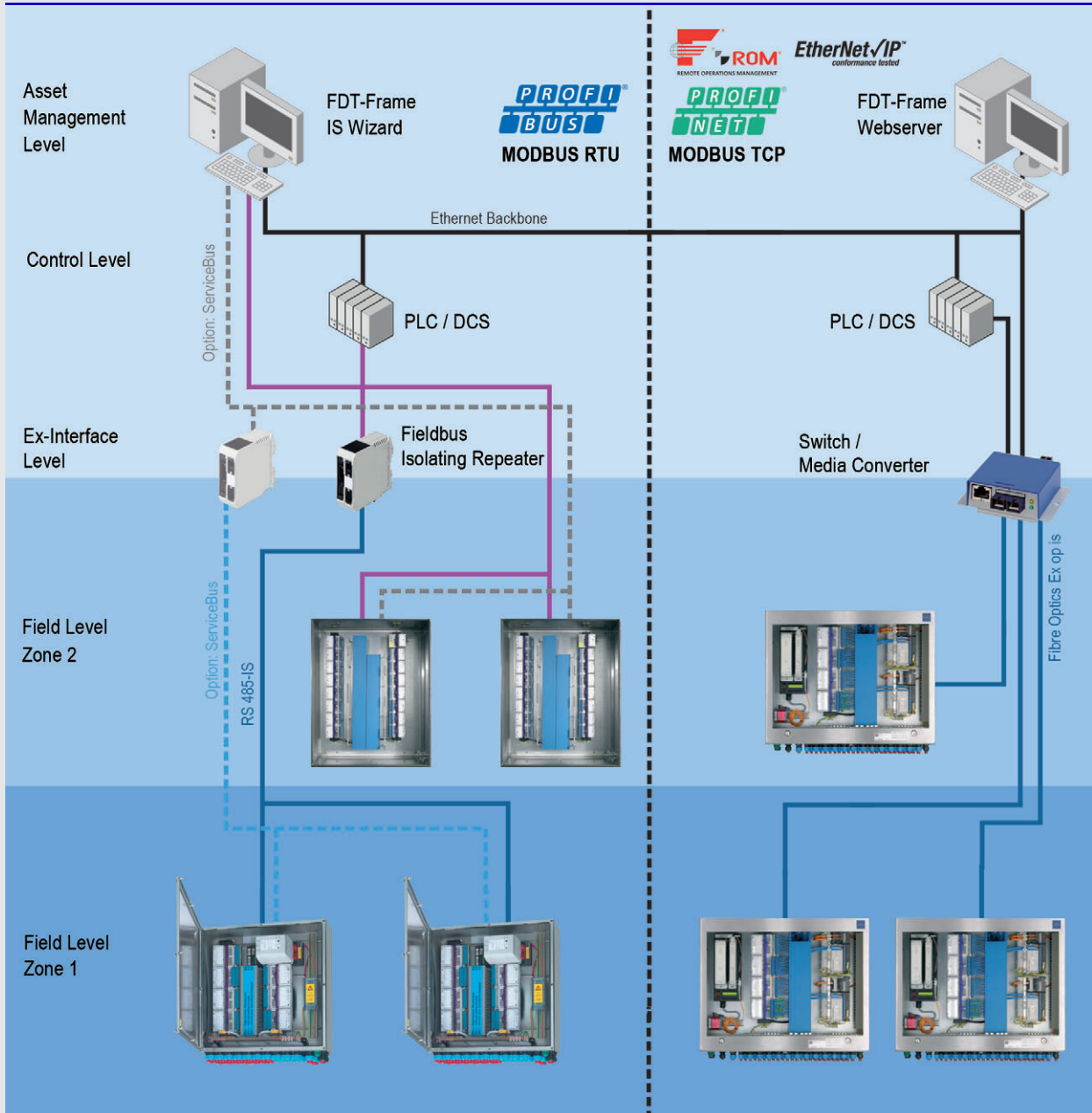
Network characteristics

Network	Microsoft work group- or domain-networking
Number of network PCs	The number of network clients is theoretically unlimited and depends on the quality of the Windows network and the resources of the server PC. All network clients must have consistent data, an identical hardware- and project data base

ServiceBus-Topologies

Connection of the field stations of the ServiceBus in Zone 1	To ServiceBus interfaces (X3) of the CPU & Power Module types 9440/...; the ServiceBus address is identical with the adjusted field bus address. For redundant CPU & Power Modules, both CPMs are connected to the ServiceBus. The ServiceBus address is the fieldbus address of the primary CPM
For segments in Zone 1	Fieldbus Isolating Repeaters type 9185 or 9186 required
Connection of the field stations to the ServiceBus in Zone 2	To USB ServiceBus interface (X3) of the Type 9442/35 CPU module; the address on the ServiceBus is identical with the set fieldbus address. If the CPU & power module is redundant, both CPUs are connected to the ServiceBus; the ServiceBus address is the fieldbus address of the primary CPU
For segments in Zone 2	Over the 9787 USB RS485 converter or using a USB zero modem cable or using a virtual ComPort module, e.g. WuT
Interface	RS485
Max. transmission speed	9.6 kbit/s
Max. cable length of one segment	1200 m / 3937 ft
Max. number of field stations per intrinsically safe segment RS485-IS	15
Max. number of field stations, per non intrinsically safe segment RS485	31

Technical Data



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Transmission of HART commands on the ServiceBus

Compatible asset management software packages

As an alternative to IS Wizard, an asset management software package can access on the ServiceBus

- AMS from Emerson
- FieldCare from Endress+Hauser (FDT)
- PDM from Siemens
- PRM from Yokogawa
- FDM from Honeywell
- Cornerstore from ASTEC
- other FDT-Frames (e.g. PACTware, fdt Container)

As an alternative HART commands can also be transmitted via Profibus DP V1 HART. For this we have available an EDD and a DTM

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