



## MACHINE VISUALIZATION

# PROVISIT 2.3

ProVisIT is the easy and compact machine visualization with powerful features.

Easy applications can be designed very quickly within a few minutes using standard objects. For more complex applications Visual Basic Script allows to transfer the knowledge of your machine or plant into intelligent objects.

ProVisIT is a low cost alternative to large HMI packages and an alternative to own Visual Basic programming. Since ProVisIT supports both Windows® NT/2000/XP and Windows® CE, it gives the possibility to choose the needed hardware power for an HMI panel. ProVisIT projects are even 1:1 compatible between Windows® NT/2000/XP and Windows® CE.

In conjunction with the IEC 61131 programming system MULTIPROG® and the IEC 61131 runtime system ProConOS®, a complete and integrated automation system is available. Due to the support of OPC, ProVisIT can be integrated into existing systems easily, with or without MULTIPROG® and ProConOS®.

The user interface of ProVisIT is available in English, German, French and Simplified Chinese language. Due to Unicode support Chinese characters can also be used for texts inside the projects.

## PROVISIT 2.3 DEVELOPMENT

The development system consists of a free graphical editor and a full-featured text editor for designing your applications as well as a runtime environment for testing and simulating your applications.

Further features are

- Easy reuse due to object instances and library functions
- Integrating own application knowledge by the means of VBScript and ActiveX Controls
- Extensive alarm and recipe handling
- Easy management and hierarchical filing of graphics and scripts by the means of a project tree
- A free graphical editor supporting e.g. drag & drop, grouping and aligning objects, undo/redo and zooming
- Large number of standard objects. Easy assignment of one or several dynamizations to objects
- Extensive dynamizations of objects, such as: Size, position, rotation, color changes and actions, e.g. defining user shortcuts, jumps to visualization pages, setting variable values, executing scripts and much more...
- International usage due to online language switching
- User defined libraries
- Password protection for projects and libraries
- Cross references
- Browsing of variables and objects via OPC which makes it unnecessary to enter data several times
- Presetting the screen size and other default settings
- Runtime operation without mouse when working at the machine
- Object related, user defined HTML help
- Supported interface standards DA 1.0A and 2.04, certified by OPC Foundation.

The development version is available for Windows® NT 4.0, Windows® 2000 and Windows® XP.

## PROVISIT 2.3 RUNTIME

The runtime version can be executed standalone or can be integrated into other applications as an ActiveX Control, e.g. into the Internet Explorer as HTML page.

The runtime version is available for Windows® NT 4.0, Windows® 2000, Windows® XP and Windows® CE 3.0 and .NET.

## SYSTEM SPECIFICATION

PC/CE System	Desktop PC	CE Device
Processor	Min. Pentium II 350	StrongARM, Pentium II
RAM	Min. 64 MByte	Min. 16 MByte
Hard disk memory	Min. 200 MByte free	Min. 3 MByte free
Communication	OPC DA 1.0a and DA 2.04	
Operating systems	Windows® NT4.0 (> SP 5) Windows® 2000 SP 2 Windows® XP	Windows® CE 3.0 / 4.x / PocketPC (MFC and VB-Script support required)
<b>System Limits</b> <sup>(1)</sup>	Visualization screens	200
	Included user libraries	30
	Standard objects (lines, curves, polylines, rectangles, ellipses, polygons, images, texts)	1000 (each per screen)
	Advanced objects (list-, combo-, edit boxes, radio buttons, check boxes, buttons, output windows, ActiveX controls)	100 (each per screen)
	Alarm items	1000
	Recipe items	1000 (per recipe)
	Global variables	500
	OPC items	1000
	Number of scripts (formulas, converters, limiters)	200 each
<b>Performance Data</b> <sup>(2)</sup>	Desktop PC: AMD 1,3 GHz, Win 2000	10 ms
	ARM CE device: StrongARM 1110 206 MHz, Win CE 3.0	40 ms
	Intel CE device: Pentium II 350 MHz, Win CE 3.0	20 ms

<sup>(1)</sup> The given values are minimal approximate values. Dependent on the system and system performance, higher values are possible

<sup>(2)</sup> Minimum screen update rate: Screen with 150 objects, 25 are cyclic changed and updated via ProConOS® OPC-Server

## SCOPE OF SUPPLY

- Software on CD ROM
- License agreement with softkey for one development or runtime license of ProVisIT
- Installation Guide, Application Guide and Quick Start Guide as PDF files

## ORDERING INFORMATION

Order number	Designation
1-3023-1001-101-W0C	ProVisIT 2.3 Development (EC)
1-3023-1201-101-W00	ProVisIT 2.3 Runtime Desktop (EC)
1-3023-1201-401-W00	ProVisIT 2.3 Runtime CE 4.1/Intel (EC)
1-3023-1201-412-W00	ProVisIT 2.3 Runtime CE 4.2/ARM (EC)
1-3023-1201-422-W00	ProVisIT 2.3 Runtime CE 4.2/PocketPC (EC)

(EC) European and Chinese language set: German, English, French and Simplified Chinese

## PRODUCT RELATED TOOLS

Order number	Designation
1-4021-1201-101-E00	ProConOS OPC-Server 2.1 Desktop
1-4021-1201-401-E00	ProConOS OPC-Server 2.1 Win CE 4.1/Intel
1-4021-1201-412-E00	ProConOS OPC-Server 2.1 Win CE 4.2/ARM
1-4021-1201-422-E00	ProConOS OPC-Server 2.1 Win CE 4.2/PocketPC

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