



## IEC 61131 PROGRAMMING SYSTEM

# MULTIPROG® 3.3

MULTIPROG® is the easy to use full function PLC programming system for medium and high end control applications.

MULTIPROG® is the IEC programming system leading automation companies in the whole world rely on, such as ABB, Advantech, Baumüller, Bristol Babcock, Fuji, Hitachi, Kuka Roboter, Mitsubishi, MAN Roland, Phoenix Contact, Schleicher or Yokogawa.

MULTIPROG® is extensively used in different industrial sectors, from the machine building via the automotive sector up to the process automation. MULTIPROG® supports distributed systems with multiple controls within one project.

Additionally MULTIPROG® is suited in an optimal way to the control runtime system ProConOS® which is available for both embedded solutions and PC-based controls. MULTIPROG® can also be adapted to any existing control runtime system.

Via intuitive function handling users are supported in all phases of the automation project:

- Project handling
- Creation of the control application
- Parameterization and configuration of the control
- Code generation
- Test, commissioning and service
- Documentation
- Archiving

The programming languages and the project structure are in conformity to the international standard IEC 61131-3. IL and ST are certified by PLCopen.

MULTIPROG® runs on Microsoft Windows® 95/98/ME and Windows® NT/2000/XP platforms.

## MULTIPROG® 3.3 DEVELOPMENT

The IEC 61131 programming system includes the programming languages Instruction List (IL), Structured Text (ST), Ladder Diagram (LD), Function Block Diagram (FBD), Sequential Function Chart (SFC), Machine Sequential Function Chart (MSFC) with integrated diagnosis

and

- A project manager for distributed automation of multiple independent PLCs, including library management
- Outgoing integration possibilities by ActiveX Controls and Automation Interface
- Project and edit wizards
- A fully graphic editor for automatic and free editing, a text editor with syntax highlighting and IntelliSense and a grid-based variables editor
- Cross references for edit and debug mode
- Full cross compilation IL – LD – FBD
- Password protection of each single POU and the complete project
- Code compilation which is optimized to only compile the changed parts of the project
- An integrated PLC simulation
- Debug and commissioning functions such as the logic analyzer, breakpoints, address debug, single step mode, overwriting and forcing of variables and recipes
- Online changes with modification of program parts while the PLC is running
- A watch window with continuous instance information
- A detailed, context-sensitive help system
- User-generated project documentation which can be switched into any language
- User interface languages: English, German, French, Japanese and Chinese
- Adaptation toolkit to any controller

## MULTIPROG® 3.3 MONITORING

MULTIPROG® Monitoring licenses allow debug of existing projects by the service and commissioning personnel. Limitation: Projects cannot be changed or compiled.

## SYSTEM SPECIFICATION

<b>PC System</b>	Processor	Min. Pentium II 350 (Pentium III 500 recommended)
	RAM	Min. 64 MByte (128 MByte recommended)
	Hard disk memory	Min. 250 MByte free
	Communication	TCP/IP and/or RS232
	Operating systems	Windows® 95/98/ME/NT 4.0 (> SP5)/2000 (SP 2)/XP, Internet Explorer > 4.02 required
<b>Data Types</b>	Bit stream	BOOL(1/8), BYTE(8), WORD(16), DWORD(32)
	Numeric	SINT(8), INT(16), DINT(32), USINT(8), UINT(16), UDINT(32), REAL(32)
		Time (TIME), arrays (ARRAY), structures (STRUCT) and strings (STRING)
<b>System Limits</b>	Nodes in the project tree	8000
	Configurations / resources in the project tree	100 / 100
	Program instances per resource	1000
	Tasks per resource	16
	Program instances per task	500
	Global variables / local variables per POU	15000 / 15000
	Included libraries	32
	POUs in one project (incl. POUs of libraries)	2000
	I/O groups	200

## SCOPE OF SUPPLY

- Software on CD ROM
- License agreement with softkey for one development or monitoring license of MULTIPROG®
- Installation Guide, Application Guide and Quick Start Guide

## ORDERING INFORMATION

Order number	Designation
1-1033-1001-100-X0C	MULTIPROG 3.3 Development Basic (E) <sup>(1)</sup>
1-1033-1002-100-X0C	MULTIPROG 3.3 Development Pro (E) <sup>(2)</sup>
1-1033-1003-100-X0C	MULTIPROG 3.3 Development Pro+ (E) <sup>(3)</sup>
1-1033-1001-100-Y0C	MULTIPROG 3.3 Development Basic (FE) <sup>(1)</sup>
1-1033-1002-100-Y0C	MULTIPROG 3.3 Development Pro (FE) <sup>(2)</sup>
1-1033-1003-100-Y0C	MULTIPROG 3.3 Development Pro+ (FE) <sup>(3)</sup>
1-1033-1101-100-X0C	MULTIPROG 3.3 Monitoring Basic (E) <sup>(1)</sup>
1-1033-1102-100-X0C	MULTIPROG 3.3 Monitoring Pro (E) <sup>(2)</sup>
1-1033-1103-100-X0C	MULTIPROG 3.3 Monitoring Pro+ (E) <sup>(3)</sup>
1-1033-1101-100-Y0C	MULTIPROG 3.3 Monitoring Basic (FE) <sup>(1)</sup>
1-1033-1102-100-Y0C	MULTIPROG 3.3 Monitoring Pro (FE) <sup>(2)</sup>
1-1033-1103-100-Y0C	MULTIPROG 3.3 Monitoring Pro+ (FE) <sup>(3)</sup>

(E) European language set: German, English, French

(FE) Far East language set: German, English, French, Japanese, Chinese

Available programming languages: <sup>(1)</sup> IL/LD/FBD, <sup>(2)</sup> IL/LD/FBD/ST/SFC, <sup>(3)</sup> IL/LD/FBD/ST/SFC/MSFC

### Germany

KW-Software GmbH  
Lagesche Straße 32  
32657 Lemgo  
Germany  
Phone +49 5261 9373-0  
Fax +49 5261 9373-26  
www.kw-software.com  
info@kw-software.com

### Far East

KW-Software GmbH  
c/o Euro-Far East Co. Ltd.  
Lilas Nogizaka Bldg. #9F  
1-15-18 Minami Aoyama  
Minato-Ku  
Tokyo 107-0062  
Japan  
Phone +81 3 3470-8769  
Fax +81 3 3478-8648  
www.euro-fareast.co.jp  
japan-info@kw-software.com

### USA

KW-Software USA, Inc.  
4242 Airport Road  
Suite 2A  
Cincinnati, Ohio 45226-1615  
USA  
Phone +1 513-321-9385  
Fax +1 513-321-6992  
www.kw-software.com  
info@kw-usa.com