



Features

- IEC 61131-3 programming languages
- Intuitive programming with a clear project structure
- Cross-compiling: FBD, LD and IL can be cross-compiled to each other
- Multi user functionality shortens programming time
- Management of distributed controls
- Network variables: Easy and powerful configuration of distributed communication
- Powerful debugging tools: Online changes, PLC simulation, overwriting & forcing, breakpoints, watch windows & recipes, logic analyzer, and cross reference
- Online program download
- Download Change Function
- Advantech FBs Support (Auto-Tuning PID, Batch Control)

Introduction

Advantech's Programmable Automation Controllers (PAC) leverage KW-Software's Multiprog and ProConOS as a single development tool with the SoftLogic control kernel. Requiring only a one-time design, users can easily leverage the control know-how into different control platforms to meet versatile automation projects needs. KW SoftLogic also creates single tagging database and HMI Software, such as WebAccess and other 3rd party SCADA software, all the features can help users to save the visible and invisible cost.

Multiprog supports all IEC 61131-3 programming languages. Depending on the task to be handled, your experience and company standards, you may choose one of the five standardized programming languages. The use of Multiprog offers you many advantages. Our long-term experience in the automation industry guarantees you a sophisticated software product.

Specifications

Hardware Requirements

Device	Minimum	Recommended
IBM compatible PC with Pentium Processor	200 MHz	350 MHz
System RAM	64 MB	128 MB
Hard Disk	60 MB free memory space	-
CD-ROM drive	-	-
VGA Monitor Color Settings	256 colors	True color
Resolution	800 x 600	1024 x 768
RS-232 interface	Optional	-
Mouse	Recommended	-

Advantech Hardware Supported

- APAX-6000 Series
- APAX-5000 Series
- APAX-55X0KW Series

Software Requirements

- Microsoft® Windows NT 4.0 SP5 or Windows 2000/XP
- Microsoft Internet Explorer 5.02 or above

IEC 61131-3 Programming Languages

- Instruction List (IL)
- Structured Text (ST)
- Function Block Diagram (FBD)
- Ladder Diagram (LD)
- Sequential Function Chart (SFC)
- All programming languages can be mixed within one project

Ordering Information

- **MPROG-ADV46E** KW Multiprog Advanced v4.6 (64 kbyte I/O)*
- **MPROG-BAS46E** KW Multiprog Basic v4.6 (128 bytes I/O)*
- **MPROG-ADV46UE** Upgrade Ver. of KW Multiprog Advanced v4.6 (64 kbyte I/O)
- **MPROG-BAS46E** Upgrade Ver. of KW Multiprog Basic v4.6 (128 bytes I/O)
- **MPROG-PRO535E** KW Multiprog Pro v5.35 (128k bytes I/O, Win7 32-bit support)

Notes:

Using MPROG-BAS46E Basic (128 Bytes I/O), programmer can leverage 1024 points DI/O (128 Bytes*8), or 32 (APAX and ADAM-5550KW series)/64 (ADAM-5510KW series) points AI/O, or mix of DI/O and AI/O

- 1 Motion Control
- 2 Hazardous Location
- 3 Energy Automation
- 4 Building Automation Systems
- 5 Automation Software
- 6 Operator Panels
- 7 Automation Panel PCs
- 8 Industrial Monitors
- 9 Industrial Ethernet
- 10 Device Servers & Gateways
- 11 Serial Communication Cards
- 12 Embedded Auto. Computers
- 13 PACs
- 14 M2M I/O
- 15 Distributed Nano Controllers
- 16 RS-485 I/O
- 17 Ethernet I/O
- 18 DAQ Boards