

**OPEN ARCHITECTURE**

**PLC Systems**



**SoftPLC**  
CORPORATION

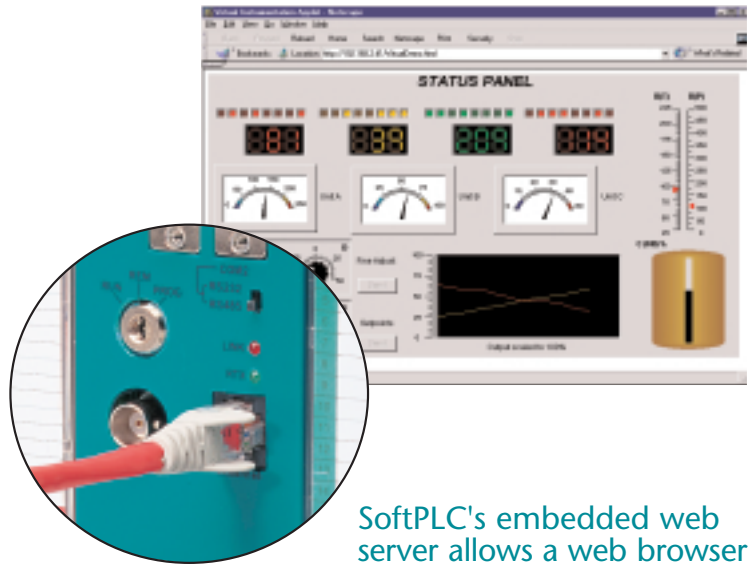


# New Dimensions In PLC Capabilities

## Flexibility and e-Automation

SoftPLC also delivers many advanced capabilities that have traditionally only been available with custom control systems or PCs:

- Embedded web server option
- Store related documentation and/or support tools in the PLC - easily accessible via a web page or FTP (eg; user manuals, drawings)
- Easily create instructions or device drivers (in C++ or Java language) with SoftPLC Programmer's Toolkits
  - Complex calculations, proprietary logic
  - Drivers to I/O devices (motion cards, vision systems, etc.)
  - Specialty functions (e.g., send an e-mail message, log data to disk)
- Run Java applications via SoftPLC's embedded real-time JVM (Java Virtual Machine) including servlets, Java beans and RMI support
- Embedded FTP server for easy file updates, automatic back-ups, etc., from any FTP client program



SoftPLC's embedded web server allows a web browser to be used for operator interface, document retrieval and more

## Better Performance, Better Value

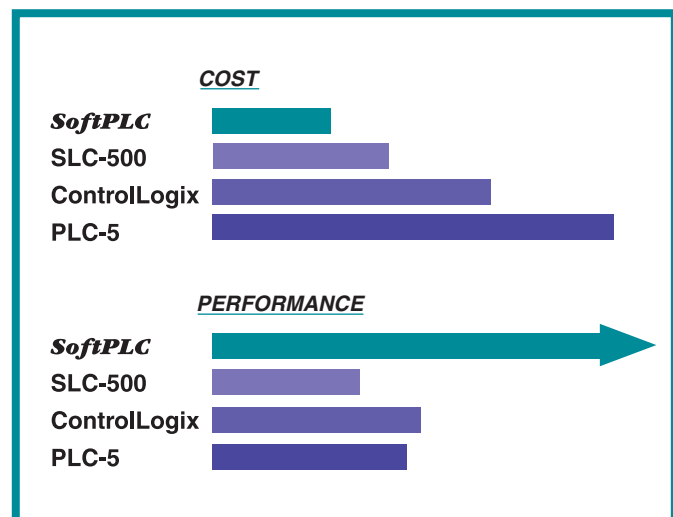
### Easy Migration To Better PLC Performance

SoftPLC provides a smooth migration path, allowing Allen-Bradley PLC users to move to a higher performance control system, with reprogramming or personnel retraining rarely required:

- Import and run PLC-5 ladder logic
- Easily convert SLC-500, PLC-2 or PLC-3 logic to run in SoftPLC
- Import/convert program documentation (address labels, rung comments)
- Compatible with Data Highway Plus and other A-B networks
- Supports peer-to-peer communications with A-B PLCs (via message instruction)
- Can use A-B I/O products; block transfer also supported

### SoftPLC - An Economic Choice

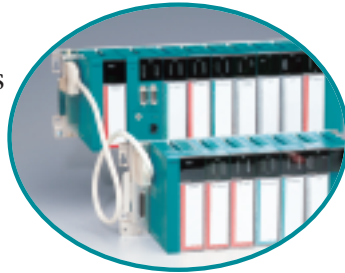
Even though it offers substantially better performance, more flexibility and more extensive capabilities, *SoftPLC* is priced significantly lower than its competitors.



# Redefining PLC Technology

## SoftPLC® takes the best of PLC technology...and makes it better

Traditional PLCs are reliable, but limit your control options and lock you into proprietary solutions. PC-based systems offer wide ranging, open architecture capabilities – but often at the cost of reliability and increased complexity. SoftPLC® leads the industry by providing the best of both systems, without the limitations of each – proven open architecture PLC systems that deliver both reliability and extended capabilities.



### Reliable PLC Technology

SoftPLC offers reliable, deterministic control involving no change in control philosophy, troubleshooting methods or ease of use:

- Industry standard ladder logic
- Online, run-mode programming
- I/O forcing; contact histogram
- Retentive memory on power loss
- Rugged industrial hardware solutions with high MTBF and low MTTR
- Compatible with most HMI/SCADA products

### PLC Technology Made Better

SoftPLC makes PLC technology better because, as an open architecture system, it removes the limitations imposed by conventional, proprietary PLCs. Unlike most PC-based control software, SoftPLC does not require the use of or run on problematic Windows operating systems:

- Virtually no memory limits
- Over 16K points of I/O; simultaneously supports devices from a variety of vendors
- Extremely fast program scan time
- ASCII communications via up to 36 serial ports
- Up to 32 channels (ports) for communications to operator interfaces (HMI), computer applications (SCADA, data acquisition systems), TOPDOC® program development/maintenance software, or for peer-to-peer controller communications
  - Serial (COM) ports
  - TCP/IP Ethernet
  - Industrial networks such as Data Highway Plus, Modbus, etc.

## SoftPLC Systems

### Advanced Software and Hardware Brought Together

#### SoftPLC In Tealware™

SoftPLC In Tealware™ is an advanced PLC system that consists of compact, rack mounted components such as power supplies, I/O modules and a CPU, which embeds the powerful SoftPLC Control Software. Combining the inherent reliability of proven hardware with the flexibility and connectivity of the industry's leading control software, SoftPLC In Tealware provides the user with more capabilities and control options than any other PLC system.



SoftPLC In Tealware™

#### SoftPLC Processors™

For SoftPLC-based systems that require very fast processing speed or ISA/PCI slots for add-on cards, SoftPLC offers a variety of SoftPLC Processors™. These systems include industrial CPUs, I/O cards and related equipment.

SoftPLC provides these cable-ready solutions with your choice of interface cards, communication ports, memory, etc. These Processors are provided with SoftPLC Control Software and drivers, pre-installed and configured. To ensure optimal reliability, all components are thoroughly tested as an assembled system.



SoftPLC Processor™

# Next Generation PLC Support Tools

## TOPDOC® for Application Development and Maintenance

Since 1984 TOPDOC has been used by thousands of companies for PLC programming, documentation and online troubleshooting. TOPDOC NexGen is the next generation version of this technology. SoftPLC Corp. used the Java language and Swing interface to create TOPDOC NexGen, providing SoftPLC users with an extremely attractive and easy-to-use development environment that will run on WindowsXX or Linux.

### A Complete Set of Tools

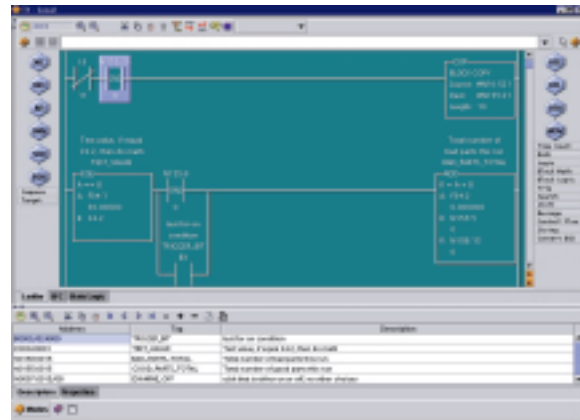
TOPDOC® NexGen provides SoftPLC users a complete and easy-to-use set of tools for:

- Application program development (offline or online)
- Program documentation
- Hard-copy reports
- SoftPLC configuration
- Online SoftPLC monitoring and maintenance, locally or remotely via modem or internet
- Offline emulation/simulation for application testing
- User profiles that include security by function, recall of last used parameters/data and more

### Advanced Features

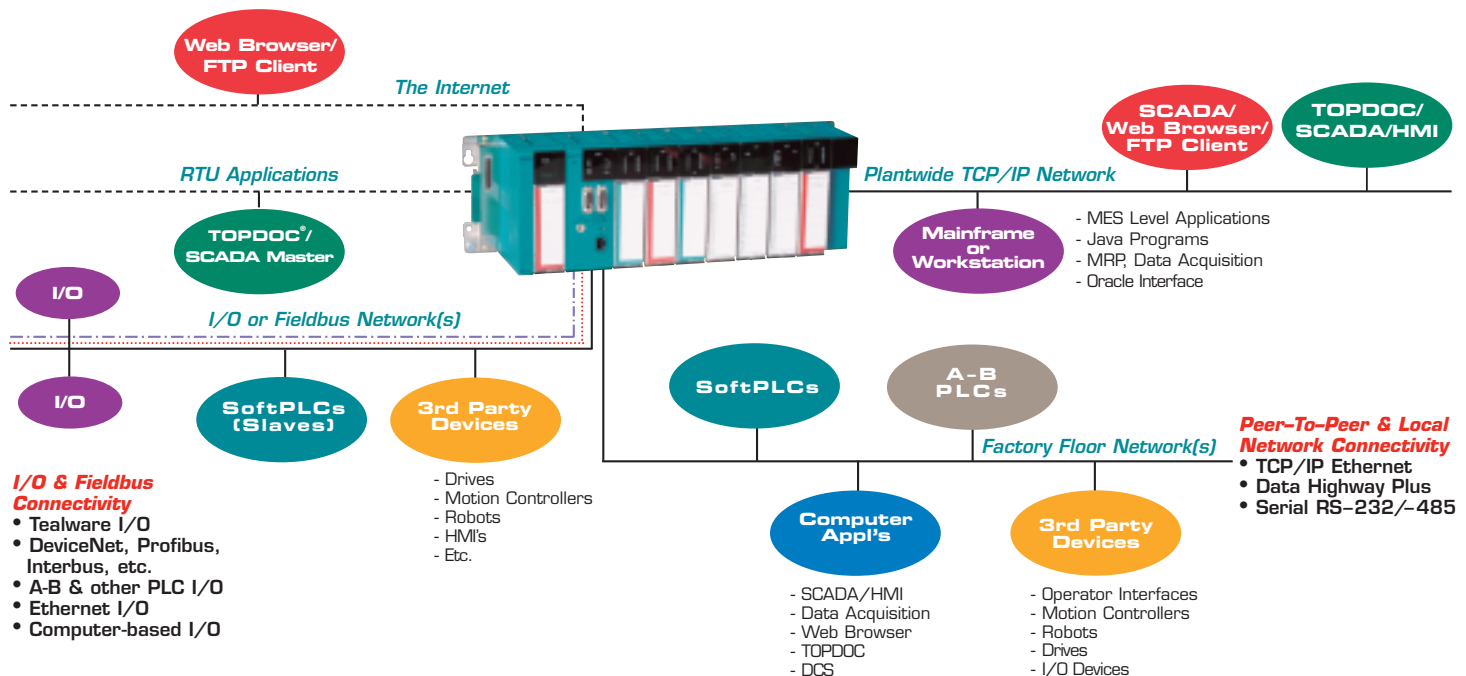
TOPDOC NexGen includes:

- Program documentation that is stored and managed in the SoftPLC controller so you never have to worry about missing, out-of-date, or unsynchronized logic documentation
- XML import/export of both logic and program documentation
- Logic Librarian feature that makes it easy to create and re-use standard logic components for multiple projects



TOPDOC NexGen has an easy-to-use interface design for maximum productivity with little learning curve required.

## SoftPLC Connectivity



# SoftPLC Corporation

**SoftPLC is an innovator...**From its founding in 1983, SoftPLC Corporation has taken an innovative approach to the development and application of control technology. From its TOPDOC PLC program development/documentation software and SoftWIRES PLC emulation/simulation software, to advanced *SoftPLC Control Software* – SoftPLC Corporation has developed software that adds functionality and

flexibility to the control function. The company's hardware products, *SoftPLC In Tealware* and *SoftPLC Processors*, continue this tradition.

**SoftPLC is responsive...**SoftPLC will never be confused with companies that view a customer problem as just an impersonal case number. With SoftPLC, the emphasis is on working with the customer to best meet the

requirements of the individual application, ensuring the success of the project. This attitude, combined with innovative products, has been, and will continue to be, the key to the long-term success of SoftPLC Corporation.

***There's only one SoftPLC!***

*"I really do feel like I have a partner in control technology with SoftPLC. Feature-rich products, proven reliability, superior customer service and cost effective solutions — what more do you need?"*

Dan Perrier  
Automated Control Systems Inc.

*"I learned very quickly that I could count on the people and products at SoftPLC Corp. I will be using SoftPLC in all future projects unless my clients absolutely insist on using another PLC."*

John Bailey  
Custom Automation Design

*"With SoftPLC, I have been able to re-use my existing A-B logic on several projects, as well as increase system performance and save money. On other [non A-B] projects, SoftPLC has offered the flexibility and tools to justify changing to new logic."*

Lyle Morton  
Morton Controls

## SoftPLC Users

Since 1994, *SoftPLC Control Software* has met the machine control needs of companies worldwide. A sampling of SoftPLC users includes:

- 3M
- Boise Cascade
- Coca-Cola
- Corning Glass
- Detroit Diesel
- Detroit Edison
- Ford Motor Company
- Formosa Chemical
- General Motors
- Johnson Controls
- Kraft Foods
- LaFarge Cement
- Lockheed-Martin
- Nestle
- U.S. Postal Service

Combining an advanced line of industrial software and hardware products with legendary customer service and application expertise, SoftPLC has been proven to handle a broad range of machine and process control requirements in demanding installations throughout the world. The SoftPLC product line – software, hardware and related PLC accessories – has been used in such diverse industries as automotive manufacturing, wood and paper products, packaging, food processing, power generation, semiconductors and metals.

Detailed product information, along with a comprehensive listing of distributors and other reseller partners, is available on the SoftPLC Corporation website, <http://www.softplc.com>.



### SoftPLC Corporation

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