TOPDOC® NexGen

Catalog Numbers - TDNG-FN, TDLX-FN

General Description

TOPDOC NexGen makes SoftPLC® programming and continued maintenance fast and easy. The sleek user interface design means both infrequent and "power" users have the features and functions they need.
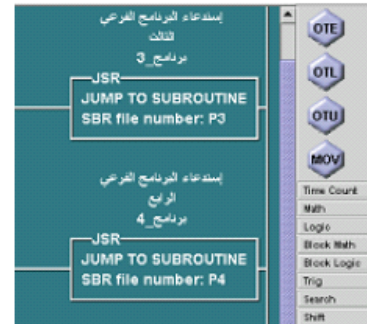

Standard Functions

- Ladder logic program and documentation development - both offline (local) and online (remote)
- Online SoftPLC monitoring & troubleshooting
- SoftPLC Configuration
- Logic and data table reports
- Import/export utilities

TOPDOC®, since 1984, has been recognized as the industry's most advanced PLC program development and documentation software product. Many "industry firsts" have been attributed to TOPDOC.

TOPDOC NexGen provides a contemporary and complete set of tools for SoftPLC based systems, and continuing the tradition of providing innovative features for PLC users:

- Program logic & documentation are combined into a single file that is downloaded to the SoftPLC controller - no more hassles to keep both sets of files "in-sync" or trying to troubleshoot a system with no documentation

- XML export/import of application files - allows easy auto-generation or re-use of applications
- Program "Clips" for easy re-use of standard logic sequences
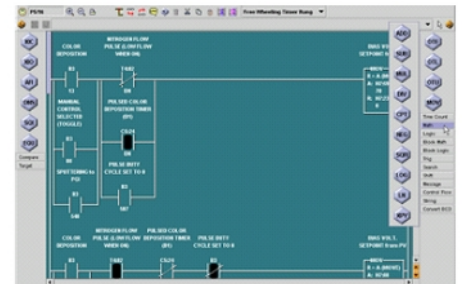- Native character support for other languages than English

*Native Language Character Support
(eg: Chinese, Arabic, Russian)*

Application (APP) Editing

TOPDOC provides a comprehensive APP editor for both remote (online) and local (offline) use. Within the APP editor you can create/modify ladder logic, data table, and program documentation. You can create programs offline, then download to your SoftPLC's. You can also work directly online connected to a SoftPLC to create, monitor, and modify programs. Instruction/Data Entry are easy:
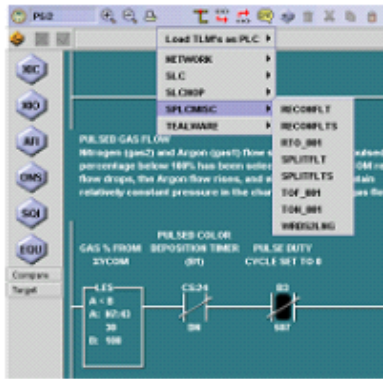
- Enter/edit logic and data with simple point/click interface
- Copy/paste rung(s), or portions or rungs
- "Smart Paste" feature lets you build a library of common logic functions with a spreadsheet interface for easy reuse with new addresses and/or descriptions
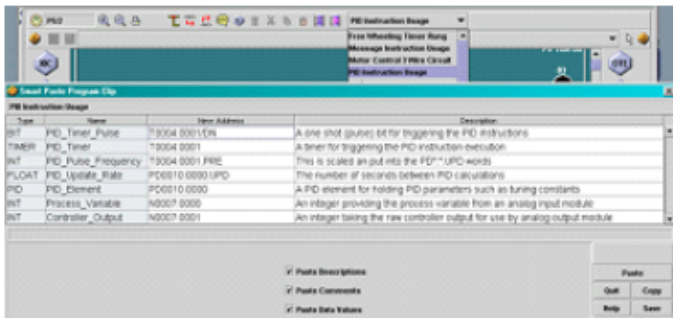

APP Editor

25603 Red Brangus Road, Spicewood, TX 78669
512-264-8390 or 800-SoftPLC (US/Canada)
info@softplc.com

SoftPLC
CORPORATION

https://softplc.com

TOPDOC also automatically learns about any user loadable instructions (TLI's) in SoftPLC, and adds them to the instruction menus.

Documentation/Reports

◆ Rung comments are virtually unlimited in size. The first line of a rung comment can also become a searchable "subtitle" in a program. Program files and data table files can be documented with short and long descriptions.
◆ Address descriptors include a tagname and a long description and are easily edited in a spreadsheet style interface, or can be easily created/edited in an external program and pasted in.
◆ All documentation is stored in the SoftPLC, so there is never a risk of documentation becoming separated or out-of-sync with the runtime program logic.
◆ A Ladder Diagram Report and Data Table Report can be printed, including to .pdf format.

Smart Paste Clip Editor

Properties Editor

The Properties Editor makes it easy to edit property file entries, also using a spreadsheet style user interface. Property Tables are a RAM-resident database that are useful for sorting, warehouse, and recipe based applications.

SLC/MicroLogix Conversions

Built-in conversion of SLC-500 or MicroLogix applications and documentation make it easy to upgrade obsolete A-B PLC systems. The Import Utility provides a detailed report of the conversion process, such as address remapping and any areas that should be manually reviewed.

Monitoring/Troubleshooting

A number of features are available for SoftPLC system maintenance:
◆ Search by address, instruction, or instruction/address combination by direct reference or with wildcard specifications, searches are saved for easy "trace" function capability
◆ Search by rung number, program file number, or program file subtitle
◆ I/O forcing from ladder or force table editors, including block insert/remove of forces
◆ Status file monitoring, fault analysis, and other features make it easy to determine causes of problems
◆ Data table editor multiple data formats, "spinners" for easy field editing, quick undo function to return to prior value on bit manipulation
◆ Data table "watch windows"- user customizable non-sequential data table editors

PLC Configuration

TOPDOC includes a complete SoftPLC configurator which is used to set up TCP/IP communications parameters, configure other communication drivers, select and configure TLM's (I/O drivers and loadable functions), start-up parameters, and more. The PLC Configurator makes it easy to map non-native I/O to a SoftPLC system, such as Ethernet/IP, ModbusTCP or Modbus serial devices.

A "Detect on Net" function makes it easy to see which SoftPLC's are active on the network, and to perform an easy configuration backup of all PLC's.

Requirements/Ordering Information

Order by Cat. No. TDNG-FN for Windows or TDLX-FN for Linux.

◆ 64-bit Operating System - Windows or Linux
◆ Minimum Screen Resolution 1024x768
◆ 150MB free disk space for TOPDOC program files
◆ USB port for license key
◆ Ethernet port to communicate to SoftPLC