

# 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

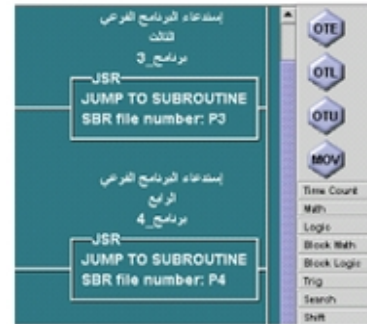
- ◆ Ladder logic program and documentation development - both offline (local) and online (remote)
- ◆ Online SoftPLC monitoring & troubleshooting
- ◆ SoftPLC Configuration
- ◆ Logic and data table reports
- ◆ Import/export utilities

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

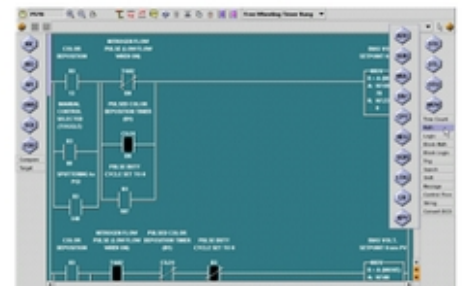


Native Language Character Support  
(eg: Chinese, Arabic, Russian)

## 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:

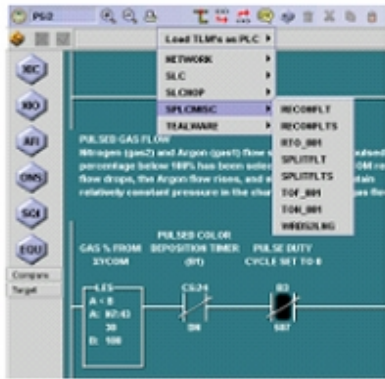
- ◆ Enter/edit logic and data with simple point/click interface
- ◆ Copy/paste rung(s), or portions or rungs
- ◆ “Smart Paste” feature lets you build a library of common logic functions with spreadsheet interface for easily reuse with new addresses and/or description



APP Editor

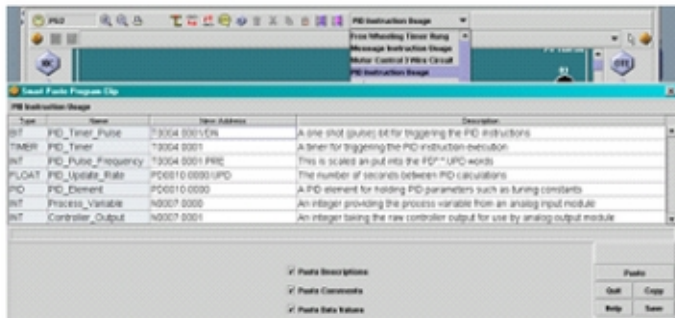


TOPDOC also automatically learns about any user loadable instructions (TLI's) in SoftPLC, and adds them to the instruction menus.



## 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 them 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.

## 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, other 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 DeviceNet or Profibus.

A “Detect on Net” function makes it easy to see which SoftPLC's are 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