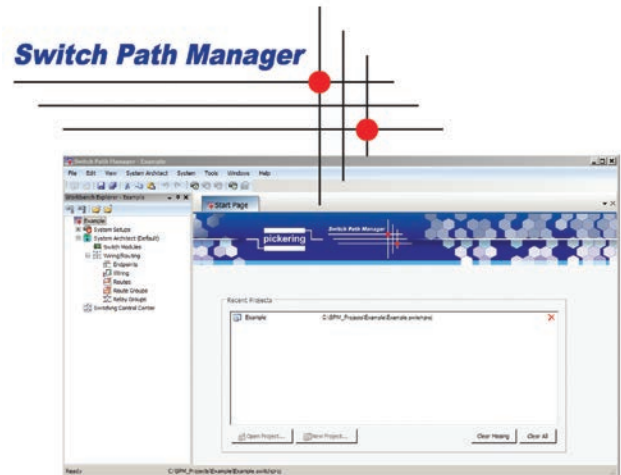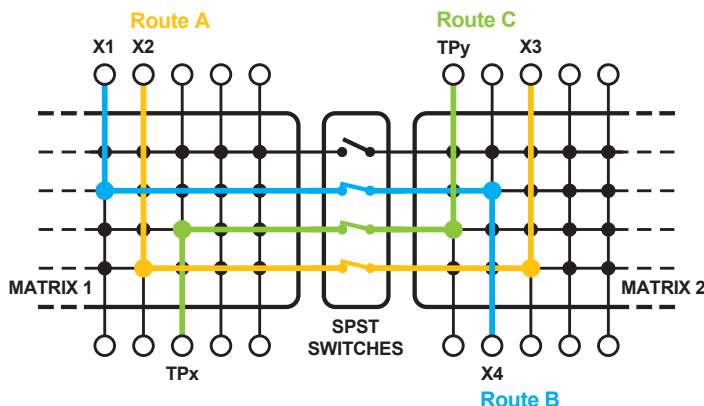- Manages Complex Switching Systems
- Reduces Switching Software Development Effort
- Provides Automated or Pre-defined Signal Routing
- Provides Static or Dynamic Routing
- Signal Isolation and Endpoint Protection Technology
- Manual Control Capability
- Supports PXI, LXI and PCI Systems
- Modules Pack for all Pickering Switch Modules, Third-Party Switch Modules on Request
- APIs available for C, .NET, Python, LabWindows™/CVI and LabVIEW™
- Free Evaluation License for 14 Active Working Days
- SPM Lite - Low Cost Solution with a Boot Limitation of 2 Switching Modules
- Free SPM Software Upgrades, Free SPM Lifetime Support, No Software Subscription Required
- Windows 32-bit or 64-bit compatible

Signal Routing Made Simple

Switch Path Manager, simplifies the routing of signals through switching systems and speeds up the development of switching system software. Switch Path Manager supports Pickering Interfaces switching products and the interconnection between these products. Third-party products can be supported on request.

Once a switching system model has been created, signal routing can be performed by simply defining the endpoints that are required to be connected together. The ability to automate signal routing results in simple and effective switching system management, safe and fast. The short circuit detection feature avoids unwanted shorts between routes.

The software package contains the Modules Pack (the collection of switching module libraries), the Switching Control Center, the Application Programmable Interfaces, the standalone Soft Front Panel, and a License Manager.

The software package can be used in Online and Offline Mode. In Offline Mode no physical hardware needs to be available.

Modules Pack

The Modules Pack contains the libraries for all Pickering Interfaces switching hardware.
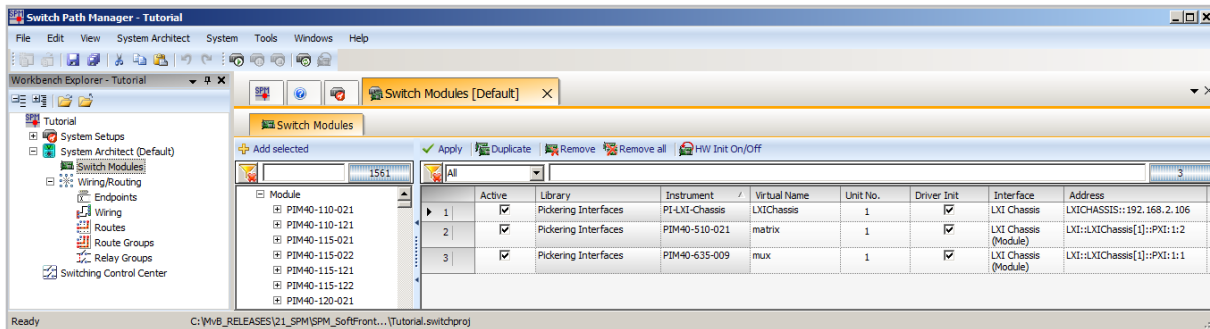
Libraries for third-party switching products are available on request.

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System Architect

The System Architect provides project handling, system configuration and interactive control for all the supported switch modules using a text based interface.
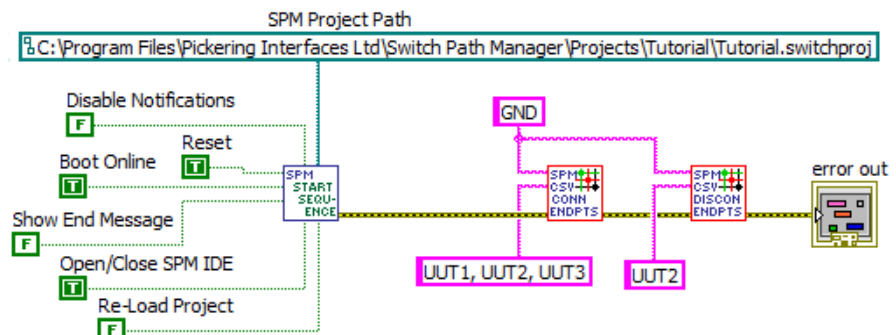
The system configuration defines the addressing and the interconnection of the switching hardware, the system endpoint definitions, the pre-defined signal routes and route groups, as well as relay groups for direct relay channel control.

Application Programmable Interfaces

The following list gives a brief overview of the available API functions, also available for LabVIEW:

Typical LabVIEW code for interconnecting multiple endpoints and then disconnect one of them

Product Order Codes

Switch Path Manager Base License - SPM Full (Pro)	90-900-001
Switch Path Manager Lite License - SPM Lite	90-900-901

Switch Path Manager comes with a free evaluation license valid for 14 active working days, i.e. whenever SPM launches on a separate day it will subtract one day. After this evaluation period a license will need to be purchased to continue to use the software.

The SPM site license allows the user to install the software package across multiple computers simultaneously at a single customer site. It can also be used temporarily on switching systems that are developed off-site but destined for end-use at the customer site.

Inquiries

Inquiries should be sent to: desales@pickeringtest.com