

System Management & Control

The MX and VX series matrix switches from Thinklogical offer secure, high-performance KVM matrix switching, scalable from small to large systems ranging from 5 to 640 non-blocking ports. To help users easily manage and maintain system deployments of any size, Thinklogical has designed the System Management Portfolio. Encompassing four specialized software packages, the Portfolio makes it easier to set up and operate a Thinklogical system, and improves overall system performance by reducing total cost of ownership, enhancing productivity and maximizing uptime. Each software package combines multiple user-friendly tools to simplify system management and ensure reliable daily operation.

SOFTWARE PACKAGES

- **CONFIGURATOR**
enables faster switch set-up and simplifies user controls
- **CONFIGURATOR PLUS**
enables users to configure bidirectional tie-line management
- **ENHANCED PRODUCTIVITY PACKAGE**
enables customized hot-key control access from workstations and ease of collaboration amongst multiple users
- **SYSTEM MANAGEMENT INTERFACE**
requires a single RU chassis to enable remote system monitoring and updates

Configurator Packages

Configurator Features

The Configurator provides step-by-step screens that guide the administrator through switch set-up, from adding users and devices to applying security settings.

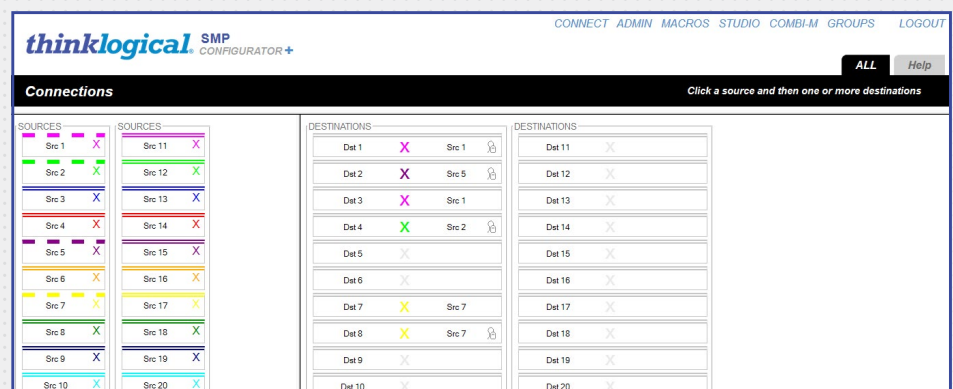
- Setup users and groups and define access rights by individual
- Setup stations by defining sources and destinations and which users and groups can view each station
- Setup station-based macros to make multiple connections at one time, and save for future use
- Take snapshots to record connections made on each port and save for future use
- Define switch name, type and IP address
- Connect multiple switches with unidirectional tie-line management
- View system information (log-ins, connections made, operations performed, error messages and system updates)
- Test switch port connections by cycling through sources and destinations or broadcasting to specific ports

- **VIEW** command connects a source's video to a destination without disturbing existing video displays or keyboard controls
- **SHARE** command connects a source's video to a destination without disturbing other video displays, but also assumes keyboard and mouse control
- **TAKE** command disconnects the source's video from any existing displays and send it only to the chosen destination and takes control of the keyboard and mouse
- **Hot Key Manager** allows users to access specific sources or cycle through approved lists of sources with configurable control keys

Configurator+ Features

The Configurator+ offers users all of the features of the Configurator, with additional features to easily set-up and maintain multiple matrix switches.

- Connect multiple switches with bidirectional tie-line management
- Maintain connection database to ensure synchronization between primary and secondary (redundant) switches



Enhanced Productivity Package

The Enhanced Productivity Package (EPP) includes all features of the SMP Configurator and adds Thinklogical's Drag & Drop graphical user interface and Hot Key Plus features and functions. This software package allows users to share access and control, collaborating with ease.

Hot Key Plus

The Hot Key Manager, included in the Configurator, allows users to set custom hot key commands by destination. Users can use hot keys to cycle forward and back between a configurable list of video and keyboard/mouse sources.

The Hot Key Plus software, included in the EPP, enables users to additionally:

- Toggle between the last two source selections
- Swap sources between multiple destinations
- Cycle forward and back through a configurable list of macros
- Collaborate amongst multiple users, exchanging keyboard and mouse controls by a spacebar keystroke or simple movement of the mouse
- Access On-Screen Display (OSD), where each destination maintains a unique list of sources and may scroll up/down and across tabs to access any of those sources with ease

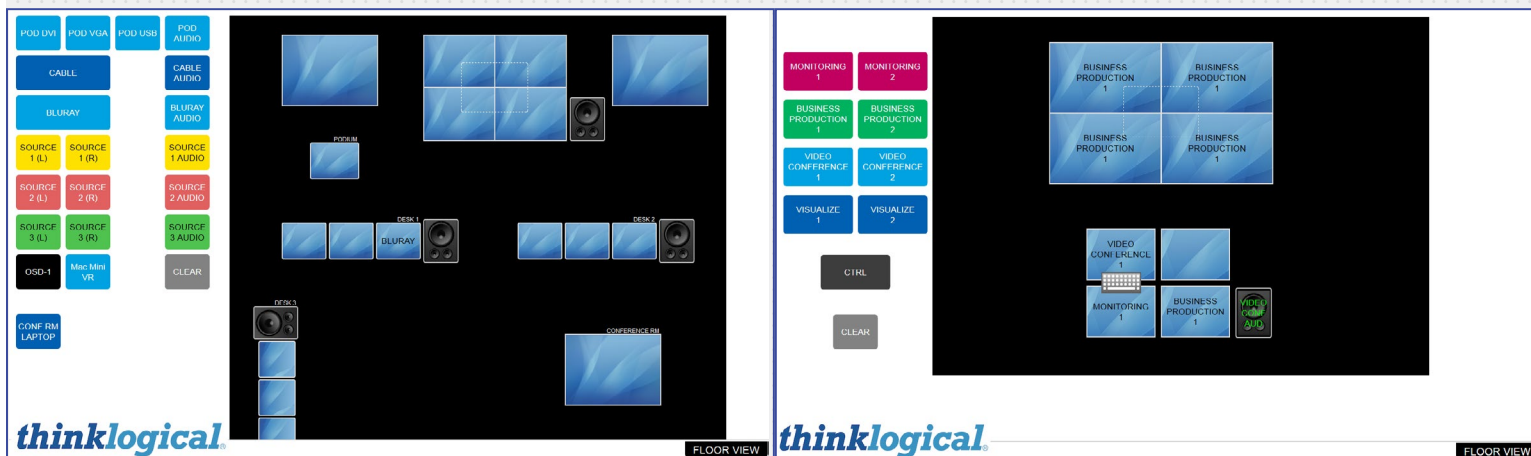
| DESTINATION | CODE | ACTION | STATIONS |
|-------------|------|-------------|-------------------|
| *DEFAULT | 44 | OSD | |
| *DEFAULT | 55 | OSD | |
| *DEFAULT | 6b | COLLABORATE | |
| *DEFAULT | 6d | COLLABORATE | |
| Dst 1 | 11 | CYCLE FWD | Src 1,Src 2,Src 3 |
| Dst 1 | 22 | CYCLE BACK | Src 1,Src 2,Src 3 |
| Dst 2 | 6b | OSD | |
| Dst 2 | 6d | OSD | |

| CODE |
|--------|
| 11 |
| 22 |
| 44 |
| 55 |
| 88 |
| 6b |
| 6d |
| Cancel |

thinklogical SMP HOT KEY +

Drag & Drop

Thinklogical's Drag & Drop graphical user interface helps users easily recreate room and destination layouts on-screen. Drag & Drop is extremely scalable, allowing users to create a single system layout, or design multiple rooms, easily accessed by tabs at the top of the screen. Set-up is simple; users right click to access the drop down menu to create a new destination. Simply choose the icon you wish to create, a display, keyboard or mouse, and click and drag the icon to move, reshape or resize the destination. Sources may be custom colored to easily locate an icon at a glance. System connections are made simply by dragging a source icon and dropping it on a destination icon, for instant access and control.



System Management Interface

Specifications

SMP-INT

| | |
|--------------------|--|
| Optical Cable | Eight (8) multi-mode or single mode fiber optic cables, fewer fibers contact Thinklogical (fiber not supplied, available for purchase) |
| Optical Distance | Multi-Mode up to 1000m 65m: OM1 (62.5/125); 350m: OM2 (50/125); 750m: OM3 (50/125 SX+); 1000m: OM4 (50/125eSX+) Single Mode up to 80km All Distances: OS2 (9/125) |
| Optical Wavelength | Multi-Mode: 850nm; Single Mode: 1310nm (CWDM and DWDM wavelengths available, contact Thinklogical for further information) |
| Data Rate | Forward channels: 6.25Gbps; Return Channels: 2Gbps |
| Environmental | Operating Temperature: 0°C-50°C; Humidity: 5-95% RH, non-condensing |
| Compliance | Approvals for United States of America, Canada, and European Union |
| Warranty | One year - Extended warranties available for purchase |
| Mounting Brackets | 19" Rack Mounting Brackets Included |
| Power Consumption | 10 Watts |
| Supply Voltage | Universal AC Power Supply, 100-240VAC, 47-63Hz |
| Weight | 4.00lbs (1.81kg) |

Dimensions

| | |
|------------------------|---|
| Rack Size | EIA 19" |
| Height x Width x Depth | 1RU: 1.72" (43.69mm) x 17.49" (444.35mm) x 8.70" (220.88mm) |
| Tolerance | ± 0.039" (1.00mm) |

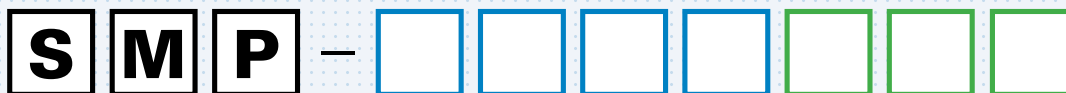
Connectors

| | |
|----------------------------------|-----------|
| Interface to Local Linux Machine | USB B (1) |
| Fiber Connectors | LC (4) |

Cables Included

- (1) AC Power Cable
- (1) USB A-B, 1.8 Meters (CBL000015-006FR)

Portfolio Ordering Information



- 0048** SMP for 48 Port Router (MX48)
- 0080** SMP for 80 Port Router (VX40 & VX80)
- 0320** SMP for 320 Port Router (VX160 & VX320)
- 0640** SMP for 640 Port Router (VX320 & VX640)

- SMP-INT004-LC66*** Interface, Multi-Mode
- SMP-INTS04-LC66*** Interface, Single Mode

* Interface Units require an SMP INU package

- CFG** Configurator
- CFP** Configurator+
- CFE** Enhanced Productivity Package
- CFF** Full System Management Portfolio (Configurator+ and Enhanced Productivity Package)
- INU** System Management Interface Monitoring and Upgrades
- MNT** Annual Maintenance

System Management Portfolio for 48 Port Router

- SMP-0048CFF** Configurator+ and Enhanced Productivity Package SMP for 48 Port Router
- SMP-INT004-LC66** System Management Interface Hardware, 4 Ports, Multi-Mode
- SMP-0048INU** System Management Interface Monitoring and Upgrades SMP for 48 Port Router
- SMP-0048MNT** System Management Portfolio Annual Maintenance for 48 Port Router