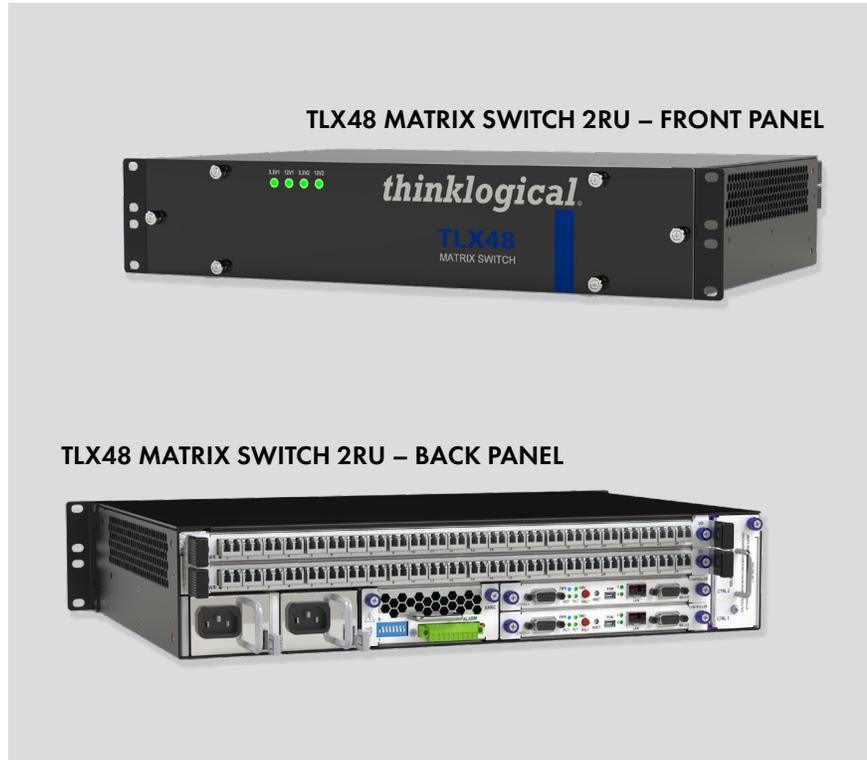


## 10G High-Performance, Modular, Non-Blocking Matrix Switch

The TLX48 2RU is a 10G high-performance, modular, non-blocking Matrix Switch that supports full, uncompressed 4K video with full-color depth at 60Hz frame-rate for complete, end-to-end routing of video and peripheral signals over multi-mode or single-mode fiber-optic cable.

Compact and secure, end to end, routing of video and peripheral signals with a 1/3 reduction in form factor from previous version.

Ideal for efficient conference room, training room and VTC applications.



### PRODUCT FEATURES

- Configurable from a 24x24 to a 48x48 Switch
- 10Gbps Uncompressed Bandwidth per Port
- Protocol Agnostic
- 1/3 Size Reduction from Prior Version
- Uniquely and Highly Accredited for Secure Military and Gov't Installations
- Completely Non-Blocking Architecture
- Hot Swappable: Control Cards with automatic failover, Current Sharing Power Supplies, 24 Port I/O Cards, Fan Trays, pluggable SFP+'s

### PRODUCT BENEFITS

- Highly Flexible Video, Audio and Peripheral Signal Management
- Any to Any Port Switching Capabilities
- Efficient Rack Space Utilization
- Compliance and Accreditations Supporting the Most Secure Installations
- Configurable w/o Interruption of Service

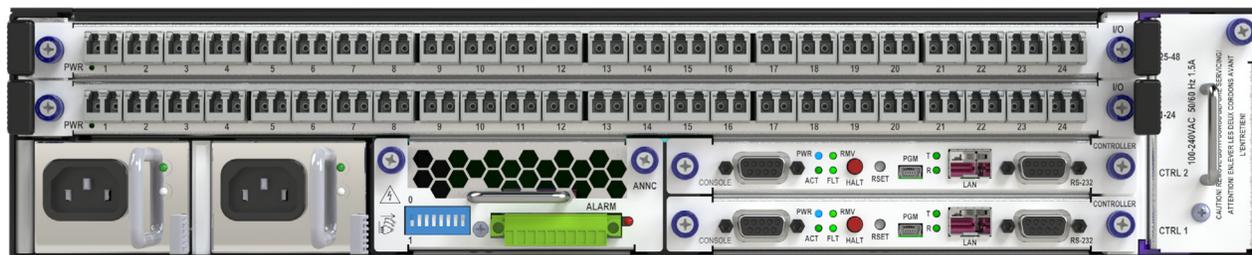
### ORDERING INFORMATION

PART NUMBER	DESCRIPTION
<b>MATRIX SWITCH CHASSIS</b>	
TLX-MSC-020048	TLX 48 2RU Matrix Switch Chassis, Configurable with up to Two Data Input/Output Cards
<b>DATA INPUT/OUTPUT CARDS</b>	
TLX-MSD-M00024	TLX 48 2RU Matrix Switch Data Input/Output Card, 24 Multi-Mode Fiber Ports
TLX-MSD-S00024	TLX 48 2RU Matrix Switch Data Input/Output Card, 24 Single Mode Fiber Ports, 10km
TLX-MSD-000024	TLX 48 2RU Matrix Switch Data Input/Output Card, Unpopulated for use with up to 24 Multi-Mode or Single Mode SFP+
<b>SPARE MODULES</b>	
TLX-MSM-C20048	TLX 48 2RU Matrix Switch Controller Card
TLX-MSM-F20048	TLX 48 2RU Matrix Switch Fan
TLX-MSM-P20048	TLX 48 2RU Matrix Switch Power Supply

TLX48 MATRIX SWITCH 2RU – FRONT PANEL



TLX48 MATRIX SWITCH 2RU – BACK PANEL



## PRODUCT SPECIFICATIONS

### PERFORMANCE

DISTANCE	Multi-Mode: 400m (OM1: 33m; OM2: 82m; OM3: 300m; OM4: 400m) Single Mode: 10/40/80km (OS2 9/125); CAT6a: 100m
OPTICAL WAVELENGTH	Multi-Mode: 850nm; Single Mode: 1310nm (CWDM and DWDM Wavelengths Available; Contact Thinklogical for More Information)
OPTICAL DATA RATE	50Mbps to 10Gbps Per Port; Switching Capacity: 480Gbps
CATX DATA RATE	10Gbps Per Port; Switching Capacity: 480Gbps

### PHYSICAL

RACK SIZE	EIA 19" (482.90mm)
HEIGHT x DEPTH	2RU 3.5" (88.9mm) x 12.50" (317.5mm)
MOUNTING BRACKETS	19" Rack Mounting Brackets Included
WEIGHT	22lbs (9.97kg)
PORTS	24x24 Minimum, 48x48 Maximum
SOFTWARE UPDATES	Console/LAN
FIRMWARE UPDATES	Mini USB Connectors (1)
RS-232 SERIAL	DB9 Female Connectors (2)
10/100 NETWORK	RJ45 Connector (1)
ALARM	Closed Contact Alarm, Five Position Terminal Block

### ENVIRONMENTAL

TEMPERATURE	Operating: 0°C to 50°C; Storage: -20°C to 70°C
HUMIDITY	Operating: 5 to 95% RH, Non-Condensing; Storage: Unlimited

### ELECTRICAL

SUPPLY VOLTAGE	Universal AC Power Supply, 100 to 240VAC, 47 to 63Hz
POWER CONSUMPTION	650 Watts (Fully Loaded)

### OTHER

CABLES INCLUDED	(2) AC Power Cables & (1) CAT 5, 4.5m (CBL000001-015FR)
COMPLIANCE	Approvals for United States of America, Canada, and European Union
WARRANTY	One Year From Date of Shipment. Extended Warranties Available.

Contact Thinklogical for additional specifications.