

TLX12 MATRIX SWITCH

The TLX12 is a compact, high-performance, non-blocking matrix switch for complete, end-to-end routing of video, audio, USB and other computer peripheral signals. The 1RU matrix is available in multi-mode or single mode fiber optic or CATx connectivity options, and may be configured as a unidirectional 12x12 or a bidirectional 6x6 switch. The TLX12 incorporates a push button interface for simplified access and control. All TLX switches support up to 10Gbps per port of uncompressed bandwidth for low-latency signal management.

PRODUCT FEATURES

- Configurable up to a 12x12 Matrix Switch
- Up to 10Gbps Uncompressed Bandwidth per Port
- Protocol Agnostic
- Completely Non-Blocking Architecture
- Re-Clocking Technology Maintains Signal Integrity
- Available in Multi-Mode Fiber, Single Mode Fiber, or CATx Configurations
- Optional Push Button Front Panel Available
- Hot-Swappable Optical Modules
- Replaceable Power Supply
- Space-Saving 1RU Chassis
- MTBF of Over 100,000 Hours
- System Management Portfolio (SMP) Available for Switch Configuration and Control

ORDERING INFORMATION

PART NUMBER	DESCRIPTION
MATRIX SWITCH CHASSIS	
TLX-MSC-M00012	TLX12 Matrix Switch Chassis with 12 Multi-Mode Fiber Ports, 10G, Single Power Supply
TLX-MSC-MV0012	TLX12 Matrix Switch Chassis with 12 Multi-Mode Fiber Ports, 6G+, Single Power Supply
TLX-MSC-S00012	TLX12 Matrix Switch Chassis with 12 Single-Mode (10km) Fiber Ports, 10G, Single Power Supply
TLX-MSC-SV0012	TLX12 Matrix Switch Chassis with 12 Single-Mode (10km) Fiber Ports, 6G+, Single Power Supply
TLX-MSC-C00012	TLX12 Matrix Switch Chassis with 12 CATx Ports, 10G, Single Power Supply
SPARE MODULES	
TLX-MSM-P00012	TLX12 Matrix Switch Power Supply

TLX12 SWITCH • FRONT PANEL



TLX12 SWITCH • FIBER-OPTIC BACKPANEL



TLX12 SWITCH • CATX BACKPANEL



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: 120Gbps
CATX DATA RATE	10Gbps Per Port; Switching Capacity: 120Gbps
PHYSICAL	
RACK SIZE	EIA 19" (482.90mm)
HEIGHT x DEPTH x WIDTH	1RU 1.75" (44.5mm) x 15.50" (393.7mm) x 17.47" (443.7mm)
MOUNTING BRACKETS	19" Rack Mounting Brackets Included
WEIGHT	11.0 lbs. (5.0 kg)
PORTS	12 Fiber or 12 CATx
SOFTWARE UPDATES	Console/LAN
FIRMWARE UPDATES	Mini USB Connectors (1)
RS-232 SERIAL	DB9 Female Connectors (1)
10/100 NETWORK	RJ45 Connector (1)
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, 1A, 50 to 60Hz
POWER CONSUMPTION	100 Watts
OTHER	
CABLES INCLUDED	(1) AC Power Cable & (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.



TLX24 MATRIX SWITCH

The TLX24 is a compact, high-performance, non-blocking matrix switch for complete, end-to-end routing of video, audio, USB and other computer peripheral signals. The 1RU matrix is available in multi-mode or single mode fiber optic, CATx, or hybrid connectivity options, and may be configured as a unidirectional 24x24 or a bidirectional 12x12 switch. The TLX24 incorporates a push button interface for simplified access and control. All TLX switches support up to 10Gbps per port of uncompressed bandwidth for low-latency signal management.

PRODUCT FEATURES

- Configurable up to a 24x24 Matrix Switch
- Up to 10Gbps Uncompressed Bandwidth per Port
- Protocol Agnostic
- Completely Non-Blocking Architecture
- Re-Clocking Technology Maintains Signal Integrity
- Available in Multi-Mode Fiber, Single Mode Fiber, CATx or Hybrid Configurations
- Optional Push Button Front Panel Available
- Hot-Swappable Optical Modules
- Replaceable Power Supply
- Space-Saving 1RU Chassis
- MTBF of Over 100,000 Hours
- System Management Portfolio (SMP) Available for Switch Configuration and Control

ORDERING INFORMATION

PART NUMBER	DESCRIPTION
MATRIX SWITCH CHASSIS	
TLX-MSC-M00024	TLX24 Matrix Switch Chassis configured with 24 Multi-Mode Ports, 10G, Single Power Supply
TLX-MSC-MV0024	TLX24 Matrix Switch Chassis configured with 24 Multi-Mode Ports, 6G+, Single Power Supply
TLX-MSC-S00024	TLX24 Matrix Switch Chassis configured with 24 Single Mode (10km) Ports, 10G, Single Power Supply
TLX-MSC-SV0024	TLX24 Matrix Switch Chassis configured with 24 Single Mode (10km) Ports, 6G+, Single Power Supply
TLX-MSC-C00024	TLX24 Matrix Switch Chassis configured with 24 CATx Ports, 10G, Single Power Supply
TLX-MSC-CM0024	TLX24 Matrix Switch Chassis configured with 12 CATx Ports and 12 Multi-Mode Ports, 10G, Single Power Supply
TLX-MSC-CS0024	TLX24 Matrix Switch Chassis configured with 12 CATx Ports and 12 Single-Mode (10km) Ports, 10G, Single Power Supply
SPARE MODULES	
TLX-MSM-P00024	TLX24 Matrix Switch Power Supply

TLX24 SWITCH - FRONT PANEL



TLX24 SWITCH - FIBER-OPTIC BACKPANEL



TLX24 SWITCH - CATX BACKPANEL



TLX24 SWITCH - HYBRID BACKPANEL



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: 240Gbps
CATX DATA RATE	10Gbps Per Port; Switching Capacity: 240Gbps
PHYSICAL	
RACK SIZE	EIA 19" (482.90mm)
HEIGHT x DEPTH x WIDTH	1RU 1.75" (44.5mm) x 15.50" (393.7mm) x 17.47" (443.7mm)
MOUNTING BRACKETS	19" Rack Mounting Brackets Included
WEIGHT	11.0 lbs. (5.0 kg)
PORTS	24x24 Fiber, 24x24 CATx, or 12x12 Fiber and 12x12 CATx
SOFTWARE UPDATES	Console/LAN
FIRMWARE UPDATES	Mini USB Connectors (1)
RS-232 SERIAL	DB9 Female Connectors (1)
10/100 NETWORK	RJ45 Connector (1)
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, 1A, 50 to 60Hz
POWER CONSUMPTION	180 Watts
OTHER	
CABLES INCLUDED	(1) AC Power Cable & (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.



TLX48 MATRIX SWITCH

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The TLX48 is a compact, high-performance, non-blocking matrix switch for complete, end-to-end routing of video, audio, USB and other computer peripheral signals. The 3RU matrix is available in multi-mode or single mode fiber optic, CATx, or hybrid connectivity options, and may be configured as a unidirectional 48x48 or a bidirectional 24x24 switch. The TLX48 incorporates an optional touch screen interface for simplified access and control. All TLX switches support up to 10Gbps per port of uncompressed bandwidth for low-latency signal management.

PRODUCT FEATURES

- Configurable up to a 48x48 Matrix Switch
- Up to 10Gbps Uncompressed Bandwidth per Port
- Protocol Agnostic
- Completely Non-Blocking Architecture
- Re-Clocking Technology Maintains Signal Integrity
- Modular 16-Port Input/Output Data Cards
- Available in Multi-Mode Fiber, Single Mode Fiber, CATx, Micro HDMI, or Hybrid Configurations
- Hot-Swappable Control Cards, Data Input/Output Cards, Power Supplies, Fan Trays and Optical Modules
- Redundant, Current-Sharing Power Supplies
- Optional Redundant Control Card with Automatic Failover
- 3RU Chassis
- MTBF of Over 100,000 Hours
- System Management Portfolio (SMP) Available for Switch Configuration and Control

ORDERING INFORMATION

PART NUMBER	DESCRIPTION
MATRIX SWITCH CHASSIS	
TLX-MSC-000048	TLX48 Chassis, Single Control Card, Redundant Power Supplies
TLX-MSC-000T48	TLX48 Chassis, Single Control Card, Redundant Power Supplies & Front Mount Touch Panel
DATA INPUT/OUTPUT CARDS	
TLX-MSD-M00016	TLX48 16 Port Multi-Mode Data Input/Output Card, 10G
TLX-MSD-S00016	TLX48 16 Port Single Mode (10km) Data Input/Output Card, 10G
TLX-MSD-MV0016	TLX48 16 Port Multi-Mode Data Input/Output Card, 6G
TLX-MSD-SV0016	TLX48 16 Port Single Mode (10km) Data Input/Output Card, 6G
TLX-MSD-000016	TLX48 16 Port Data Input/Output Card, Unpopulated
TLX-MSD-C00016	TLX48 16 Port CATx Data Input/Output Card, 10G
VXM-DH0016	TLX48 16 Port Data Input/Output Card, Micro HDMI In/EDID Out
SPARE MODULES	
TLX-MSM-C00048	TLX48 Control Card
TLX-MSM-P00048	TLX48 Power Supply
TLX-MSM-F00048	TLX48 Fan Tray

TLX48 SWITCH - FRONT PANEL



TLX48 SWITCH - HYBRID BACKPANEL



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 x WIDTH	3RU 5.25" (133.4mm) x 14.93" (379.2mm) w/ Touch Panel x 17.16" (435.9mm)
MOUNTING BRACKETS	19" Rack Mounting Brackets Included
WEIGHT	20.5lbs (9.3kg)
PORTS	16x16 Minimum, 48x48 Maximum (Fiber, CATx or Mini HDMI)
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	400 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.

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TLX80 MATRIX SWITCH

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The TLX80 is a high-performance, non-blocking matrix switch for complete, end-to-end routing of video, audio, USB and other computer peripheral signals. The 6RU matrix is available in multi-mode or single mode fiber optic connectivity options, and may be configured as a unidirectional 80x80 or a bidirectional 40x40 switch. All TLX switches support up to 10Gbps per port of uncompressed bandwidth for low-latency signal management.

PRODUCT FEATURES

- Configurable up to a 80x80 Matrix Switch
- Up to 10Gbps Uncompressed Bandwidth per Port
- Protocol Agnostic
- Completely Non-Blocking Architecture
- Re-Clocking Technology Maintains Signal Integrity
- Modular 5-Port Input/Output Data Cards
- Available in Multi-Mode Fiber and Single Mode Fiber Configurations
- Hot-Swappable Control Cards, Data Input/Output Cards, Power Supplies, Fan Trays and Optical Modules
- Redundant, Current-Sharing Power Supplies
- Optional Redundant Control Card with Automatic Failover
- 6RU Chassis
- MTBF of Over 100,000 Hours
- System Management Portfolio (SMP) Available for Switch Configuration and Control

ORDERING INFORMATION

PART NUMBER	DESCRIPTION
MATRIX SWITCH CHASSIS	
TLX-MSC-000080	TLX80 Matrix Switch Chassis, Single Control Card, Redundant Power Supplies
DATA INPUT/OUTPUT CARDS	
TLX-MSD-M00005	TLX80 5 Port Multi-Mode Data Input/Output Card, 10G
TLX-MSD-S00005	TLX80 5 Port Single Mode (10km) Data Input/Output Card, 10G
TLX-MSD-MV0005	TLX80 5 Port Multi-Mode Data Input/Output Card, 6G
TLX-MSD-SV0005	TLX80 5 Port Single Mode (10km) Data Input/Output Card, 6G
TLX-MSD-000005	TLX80 5 Port Data Input/Output Card, Unpopulated
SPARE MODULES	
TLX-MSM-C00080	TLX80 Control Card
TLX-MSM-P00080	TLX80 Power Supply
TLX-MSM-F00080	TLX80 Fan Tray



TLX80 SWITCH FRONT PANEL



TLX80 SWITCH BACKPANEL

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: 800Gbps
PHYSICAL	
RACK SIZE	EIA 19" (482.90mm)
HEIGHT x DEPTH x WIDTH	6RU 10.50" (266.7mm) x 15.00" (380.9mm) x 17.16" (435.9mm)
MOUNTING BRACKETS	19" Rack Mounting Brackets Included
WEIGHT	35.5lbs (16.10kg)
PORTS	5x5 Minimum, 80x80 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, Twelve 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	500 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.

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TLX160 MATRIX SWITCH

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The TLX160 is a high-performance, non-blocking matrix switch for complete, end-to-end routing of video, audio, USB and other computer peripheral signals. The 9RU matrix is available in multi-mode or single mode fiber optic and SDI coax connectivity options, connectivity options, and may be configured as a unidirectional 160x160 or a bidirectional 80x80 switch. All TLX switches support up to 10Gbps per port of uncompressed bandwidth for low-latency signal management.

PRODUCT FEATURES

- Configurable up to a 160x160 Matrix Switch
- Up to 10Gbps Uncompressed Bandwidth per Port
- Protocol Agnostic
- Completely Non-Blocking Architecture
- Re-Clocking Technology Maintains Signal Integrity
- Modular 10-Port Input/Output Data Cards
- Available in Multi-Mode Fiber, Single Mode Fiber, and SDI Coax Configurations
- Hot-Swappable Control Cards, Data Input/Output Cards, Power Supplies, Fan Trays and Optical Modules
- Redundant Current-Sharing Power Supplies
- Optional Redundant Control Card with Automatic Failover
- 9RU Chassis
- MTBF of Over 100,000 Hours
- System Management Portfolio (SMP) Available for Switch Configuration and Control

ORDERING INFORMATION

PART NUMBER	DESCRIPTION
MATRIX SWITCH CHASSIS	
TLX-MSC-000160	TLX160 Matrix Switch Chassis, Single Control Card, Redundant Power Supplies
DATA INPUT/OUTPUT CARDS	
TLX-MSD-M00010	TLX160 10 Port Multi-Mode Data Input/Output Card, 10G
TLX-MSD-S00010	TLX160 10 Port Single Mode (10km) Data Input/Output Card, 10G
TLX-MSD-MV0010	TLX160 10 Port Multi-Mode Data Input/Output Card, 6G
TLX-MSD-SV0010	TLX160 10 Port Single Mode (10km) Data Input/Output Card, 6G
TLX-MSD-000010	TLX160 10 Port Data Input/Output Card, Unpopulated
TLX-MSD-S12G10	TLX160 10 Port Single Mode (10km) Data Input/Output Card, 12G-SDI
TLX-MSD-012G10	TLX160 10 Port Data Input/Output Card, Unpopulated, 12G-SDI
TLX-MSD-C12G10	TLX160 10 Port Data Input/Output Card, Coax Cable, 12G-SDI
SPARE MODULES	
TLX-MSM-C00160	TLX160 Control Card
TLX-MSM-P00160	TLX160 Power Supply
TLX-MSM-F00160	TLX160 Fan Tray



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: 1600Gbps
PHYSICAL	
RACK SIZE	EIA 19" (482.90mm)
HEIGHT x DEPTH x WIDTH	9RU 15.75" (400.1mm) x 15.1" (383mm) x 17.16" (435.9mm)
MOUNTING BRACKETS	19" Rack Mounting Brackets Included
WEIGHT	49lbs (23kg)
PORTS	10x10 Minimum, 160x160 Maximum (Fiber or Coax)
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, Twelve 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	850 Watts (Fully Loaded)
OTHER	
CABLES INCLUDED	(2) AC Power Cable & (1) CAT 5, 4.5m (CBL000001-015FR) (10) 24" 1.0/2.3 to Female BNC Cables per Coaxial Data Card
COMPLIANCE	Approvals for United States of America, Canada, and European Union
WARRANTY	One Year From Date of Shipment. Extended Warranties Available.

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TLX320 MATRIX SWITCH

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The TLX320 is a high-performance, non-blocking matrix switch for complete, end-to-end routing of video, audio, USB and other computer peripheral signals. The 13RU matrix is available in multi-mode or single mode fiber optic connectivity options, and may be configured as a unidirectional 320x320 or a bidirectional 160x160 switch. All TLX switches support up to 10Gbps per port of uncompressed bandwidth for low-latency signal management.

PRODUCT FEATURES

- Configurable up to a 320x320 Matrix Switch
- Up to 10Gbps Uncompressed Bandwidth per Port
- Protocol Agnostic
- Completely Non-Blocking Architecture
- Re-Clocking Technology Maintains Signal Integrity
- Modular 16-Port Input/Output Data Cards
- Available in Multi-Mode Fiber, Single Mode Fiber, CATx, or Hybrid Configurations
- Hot-Swappable Control Cards, Data Input/Output Cards, Power Supplies, Fan Trays and Optical Modules
- Redundant, Current-Sharing Power Supplies
- Optional Redundant Control Card with Automatic Failover
- 13RU Chassis
- MTBF of Over 100,000 Hours
- System Management Portfolio (SMP) Available for Switch Configuration and Control

ORDERING INFORMATION

PART NUMBER	DESCRIPTION
MATRIX SWITCH CHASSIS	
TLX-MSC-000320	TLX320 Matrix Switch Chassis, Single Control Card, Redundant Power Supplies
DATA INPUT/OUTPUT CARDS	
TLX-MSD-M00016	TLX320 16 Port Multi-Mode Data Input/Output Card, 10G
TLX-MSD-S00016	TLX320 16 Port Single Mode (10km) Data Input/Output Card, 10G
TLX-MSD-MV0016	TLX320 16 Port Multi-Mode Data Input/Output Card, 6G
TLX-MSD-SV0016	TLX320 16 Port Single Mode (10km) Data Input/Output Card, 6G
TLX-MSD-000016	TLX320 16 Port Data Input/Output Card, Unpopulated
TLX-MSD-C00016	TLX320 16 Port CATx Data Input/Output Card
VXM-DH0016	TLX320 16 Data Input/Output Card, Micro HDMI In/EDID Out
SPARE MODULES	
TLX-MSM-C00320	TLX320 Control Card
TLX-MSM-P00320	TLX320 Power Supply
TLX-MSM-F00320	TLX320 Fan Tray



TLX320 SWITCH FRONT PANEL

TLX320 SWITCH BACKPANEL

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: 3200Gbps
PHYSICAL	
RACK SIZE	EIA 19" (482.90mm)
HEIGHT x DEPTH x WIDTH	13RU 22.75" (578mm) x 15.1" (383mm) x 17.16" (435.9mm)
MOUNTING BRACKETS	19" Rack Mounting Brackets Included
WEIGHT	75.0lbs (34kg)
PORTS	16x16 Minimum, 320x320 Maximum (Fiber or CATx)
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, Twelve 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	1050 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.

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TLX640 MATRIX SWITCH

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The TLX640 is a high-performance, non-blocking matrix switch for complete, end-to-end routing of video, audio, USB and other computer peripheral signals. The 28RU matrix is available in multi-mode or single mode fiber optic connectivity options, and may be configured as a unidirectional 640x640 or a bidirectional 320x320 switch. All TLX switches support up to 10Gbps per port of uncompressed bandwidth for low-latency signal management.

PRODUCT FEATURES

- Configurable up to a 640x640 Matrix Switch
- Up to 10Gbps Uncompressed Bandwidth per Port
- Protocol Agnostic
- Completely Non-Blocking Architecture
- Re-Clocking Technology Maintains Signal Integrity
- Modular 20-Port Input/Output Data Cards
- Available in Multi-Mode Fiber and Single Mode Fiber Configurations
- Hot-Swappable Control Cards, Data Input/Output Cards, Power Supplies, Fan Trays and Optical Modules
- Redundant, Current-Sharing Power Supplies
- Optional Redundant Control Card with Automatic Failover
- 28RU Chassis
- MTBF of Over 100,000 Hours
- System Management Portfolio (SMP) Available for Switch Configuration and Control

ORDERING INFORMATION

PART NUMBER	DESCRIPTION
MATRIX SWITCH CHASSIS	
TLX-MSC-000640	TLX640 Matrix Switch Chassis, Single Control Card, Redundant Power Supplies
DATA INPUT/OUTPUT CARDS	
TLX-MSD-M00020	TLX640 20 Port Multi-Mode Data Input/Output Card, 10G
TLX-MSD-S00020	TLX640 20 Port Single Mode (10km) Data Input/Output Card, 10G
VXM-DIOR20	TLX640 20 Port Multi-Mode Data Input/Output Card, 6G
VXM-DIOS20	TLX640 20 Port Single Mode (10km) Data Input/Output Card, 6G
TLX-MSD-000020	TLX640 20 Port Data Input/Output Card, Unpopulated
SPARE MODULES	
TLX-MSM-C00640	TLX640 Control Card
TLX-MSM-S00640	TLX640 Switch Card
TLX-MSM-P00640	TLX640 Power Supply
TLX-MSM-F00640	TLX640 Fan Tray



TLX640 SWITCH FRONT PANEL

TLX640 SWITCH BACKPANEL

SPECIFICATIONS

PERFORMANCE	
DISTANCE	Multi-Mode: 400m (OM1: 33m; OM2: 82m; OM3: 300m; OM4: 400m) Single Mode: 10/40/80km (OS2 9/125)
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: 6400Gbps
PHYSICAL	
RACK SIZE	EIA 19" (482.90mm)
HEIGHT x DEPTH x WIDTH	28RU 48.97" (1243.84mm) x 16.1" (410mm) x 17.16" (435.9mm)
MOUNTING BRACKETS	19" Rack Mounting Brackets Included
WEIGHT	132lbs (59.87kag)
PORTS	20x20 Minimum, 640x640 Maximum (Fiber or CATx)
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, Twelve 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	2400 Watts (Fully Loaded)
OTHER	
CABLES INCLUDED	(4) 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.

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TLX1280 MATRIX SWITCH

The TLX1280 is a high-performance, non-blocking matrix switch for complete, end-to-end routing of video, audio, USB and other computer peripheral signals. The 42RU matrix is available in multi-mode or single mode fiber optic connectivity options, and may be configured as a unidirectional 1280x1280 or a bidirectional 640x640 switch. All TLX switches support up to 10Gbps per port of uncompressed bandwidth for low-latency signal management.

PRODUCT FEATURES

- Configurable up to a 640x640 Matrix Switch
- Up to 10Gbps Uncompressed Bandwidth per Port
- Protocol Agnostic
- Completely Non-Blocking Architecture
- Re-Clocking Technology Maintains Signal Integrity
- Modular 32-Port Input/Output Data Cards
- Available in Multi-Mode Fiber and Single Mode Fiber Configurations
- Hot-Swappable Control Cards, Data Input/Output Cards, Power Supplies, Fan Trays and Optical Modules
- Redundant, Current-Sharing Power Supplies
- Optional Redundant Control Card with Automatic Failover
- 42RU Chassis
- MTBF of Over 100,000 Hours
- System Management Portfolio (SMP) Available for Switch Configuration and Control

ORDERING INFORMATION

PART NUMBER	DESCRIPTION
MATRIX SWITCH CHASSIS	
TLX-MSC-001280	TLX1280 Matrix Switch Chassis, Single Control Card, Redundant Power Supplies
DATA INPUT/OUTPUT CARDS	
TLX-MSD-M00032	TLX1280 32 Port Multi-Mode Data Input/Output Card, 10G
TLX-MSD-S00032	TLX1280 32 Port Single Mode (10km) Data Input/Output Card, 10G
TLX-MSD-MV0032	TLX1280 32 Port Multi-Mode Data Input/Output Card, 6G
TLX-MSD-SV0032	TLX1280 32 Port Single Mode (10km) Data Input/Output Card, 6G
TLX-MSD-000032	TLX1280 32 Port Data Input/Output Card, Unpopulated
SPARE MODULES	
TLX-MSM-C01280	TLX1280 Control Card
TLX-MSM-S01280	TLX1280 Switch Card
TLX-MSM-P01280	TLX1280 Power Supply
TLX-MSM-F01280	TLX1280 Fan Tray



TLX1280 SWITCH FRONT PANEL

TLX1280 SWITCH BACKPANEL

SPECIFICATIONS

PERFORMANCE	
DISTANCE	Multi-Mode: 400m (OM1: 33m; OM2: 82m; OM3: 300m; OM4: 400m) Single Mode: 10/40/80km (OS2 9/125)
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: 12800Gbps
PHYSICAL	
RACK SIZE	EIA 19" (482.90mm)
HEIGHT x DEPTH x WIDTH	42RU 73.50" (1867mm) x 29.00" (736.6mm) x 17.25" (438.2mm)
MOUNTING BRACKETS	19" Rack Mounting Brackets Included
WEIGHT	348lbs (157.9kg)
PORTS	32x32 Minimum, 1280x1280 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, Twelve 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	6400 Watts (Fully Loaded)
OTHER	
CABLES INCLUDED	(6) 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.

