

# LightStack® Fiber Connectivity System

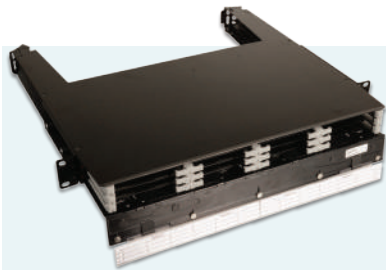
Regional Availability – Global



With superior best-in-class features, Siemon's LightStack ultra-high density fiber Plug and Play system offers superior density, port access and cable management in a sleek, modern platform that easily supports today's advanced data center or enterprise networking environments, while providing fast, seamless migration to higher Base-12 applications.



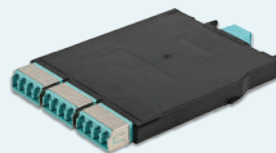
## The Ultimate for Base-12 Ultra-High Density Connectivity



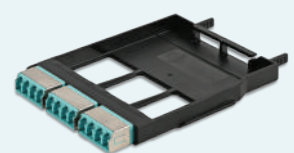
LightStack  
Enclosure 1U



LightStack  
Enclosure 4U



LightStack  
Modules

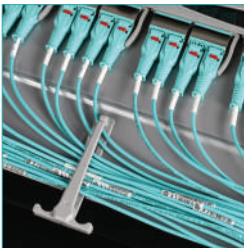


LightStack  
Adapter Plates

**LightStack®**  
Expand Your Possibilities

LightStack® Fiber Enclosures

Designed to easily integrate into any standard 19 inch rack or cabinet, Siemon's LightStack Fiber Enclosure is constructed of high quality steel, and is designed for easy installation and quick deployment of plug and play fiber solutions for today's advanced data center and storage area network environments. Fiber jumpers exit the enclosure directly into vertical managers providing angled panel functionality.



**Cable Management Clips**  
Unlatch and swing open for full access to any jumper.



**Visually Appealing Magnetic Door**  
Easy to open and close and eliminates potential pinch points.



**Module Insertion and Removal**  
Can be quickly and easily installed from the front or rear of the enclosure.



**Innovative Labeling Solution and Port ID**  
Drop-down label strip holder for high visibility.

Product Information

	Height	Width	Depth	Weight	Color	Label Size
LIGHTSTACK 1U	43.9mm (1.73 in.)	482.3mm (18.99 in.)	530.6mm (20.89 in.)	9.53kg (21 lbs.)	Black (RAL 9005)	204.5mm x 23.5mm (8.05 in. x .925 in.)
LIGHTSTACK 4U	176.8mm (6.96 in.)	482.3mm (18.99 in.)	530.6mm (20.89 in.)	23.58kg (52 lbs.)	Black (RAL 9005)	204.5mm x 93mm (8.05 in. x 3.66 in.)

Ordering Information

Part Number	Description
LS-1U-01	1U enclosure, 12 openings, Up to 144 LC fibers or 864 MTP fibers, Mounts in 19 in. racks or cabinets
LS-4U-01	4U enclosure, 48 openings, Up to 576 LC fibers or 3456 MTP fibers, Mounts in 19 in. racks or cabinets

LightStack® Fiber Modules

LightStack MTP-to-LC Ultra-Low Loss Plug and Play modules deliver a quick and efficient way to deploy high-performance fiber cabling in a low-profile, high-density package. Up to 12 of these ultra-slim modules can be installed in a single 1U LightStack enclosure, seamlessly providing up to 144 easily-managed LC fiber ports. Available in singlemode and OM4 multimode configurations, LightStack offers industry leading loss performance of just 0.35dB module for multimode, and 0.50dB for singlemode.

1

**1. Ultra-Slim Design**

LightStack modules have an ultra-slim design to achieve maximum fiber density.

2

**2. Multiple Adapter Configurations**

Aqua LC and MTP adapters for OM4; Blue LC adapters and black MTP adapters for SM.

3

**3. Rear Module Handles**

Handles in the rear of the module help facilitate removal from the back of the enclosure.



**High Fiber Count**  
Up to 12-fiber count per module.



**Ultra-Low Loss Options**  
Ultra-low loss performance as a standard (0.35dB per multimode module).



**Shuttered LC Adapters**  
Small plastic shutter door that opens upon insertion, without touching the connector end face, and springs back into the closed position upon removal to ensuring protection of empty ports.



**Standard Interfaces**  
LC to MTP interface. Available in OM4 and SM.

Product Information

	Multimode		Singlemode	
	Insertion Loss (dB)	Return Loss (dB)	Insertion Loss (dB)	Return Loss (dB)
MTP	0.20	20	0.30	60
LC	0.15	30	0.20	55
MTP-TO-LC MODULE	0.35	20	0.50	55

Ordering Information

Part Number	Description
LSF-12-LSV01U	Module, 12 MTP-to-LC, Ultra-low loss, OM4, XGLO 550, Shutter, Aqua LC adapters, Universal polarity, Unpinned, Aqua MTP adapters
LSF-12-LSSM01U	Module, 12 MTP-to-LC, Ultra-low loss, OS2 XGLO, Shutter, Blue LC adapters, Universal polarity, unpinned, Black MTP adapters



## LightStack® Fiber Adapter Plates

Fully ready to support high-performance applications, LightStack Ultra-Low Loss MTP pass-through adapters are available in 6-port designs supporting up to 72 fibers per adapter plate and are offered in both aligned and opposed key orientation to accommodate all polarity methods. In addition, LightStack also offers 12-fiber LC pass-through adapter plates for current Ethernet or Fiber Channel SAN applications.

### MTP Adapter Plate

- Ultra-slim design to achieve maximum fiber density.
- Up to 72-fiber count.
- Handles in the rear of the module helps facilitate removal from the back of the enclosure.



### Ordering Information

LS-MP (X) - 01 (X) (XX)

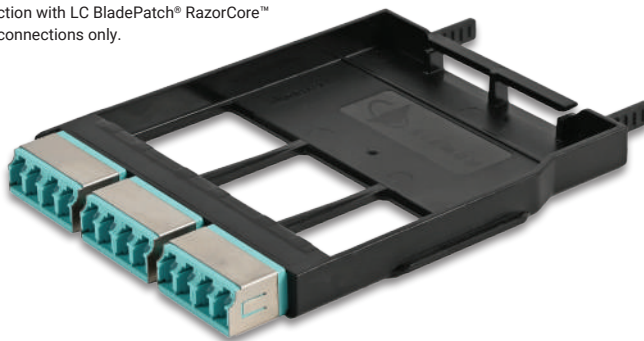
MTP PORT COUNT	KEY ORIENTATION	ADAPTER COLOR
6 = 6 MTP Port	B = Type-B (key up to key up) C = Type-A (key up to key down)	AQ = Aqua** BK = Black** GR = Gray*

\*Key Orientation B Only

\*\*Key Orientation C Only

### LC Adapter Plate

- Used in conjunction with LC BladePatch® RazorCore™ trunks for rear connections only.
- 12 LC fibers.



### Ordering Information

LS - L (X) 12 - 01C - (XX)

SHUTTER DOOR OPTION	ADAPTOR COLOR
S = Shuttered LC Adapter	AQ = Aqua BL = Blue



\*All LC adapter plates include shuttered adapters, these adapters feature a small plastic shutter door that opens upon insertion without touching the connector endface and springs back into the closed position upon removal to ensure protection of empty ports.

**Siemon has a comprehensive range of high performance pre-terminated fiber optic trunks. These include:**

- [Traditional Fiber Trunks](#)
- [MTP-to-LC/SC Trunks](#)
- [MTP-to-MTP Trunks](#)



SCAN TO DOWNLOAD  
SPEC SHEET

Because we continuously improve our products, Siemon reserves the right to change specifications and availability without prior notice.

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