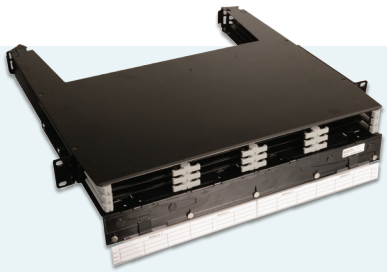
LightStack® Fiber Connectivity System

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.

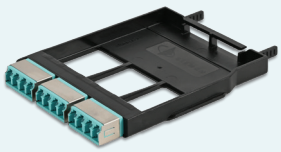
The Ultimate for Base-12 Ultra-High Density Connectivity



LightStack Enclosure 1U

LightStack Enclosure 4U

LightStack Modules

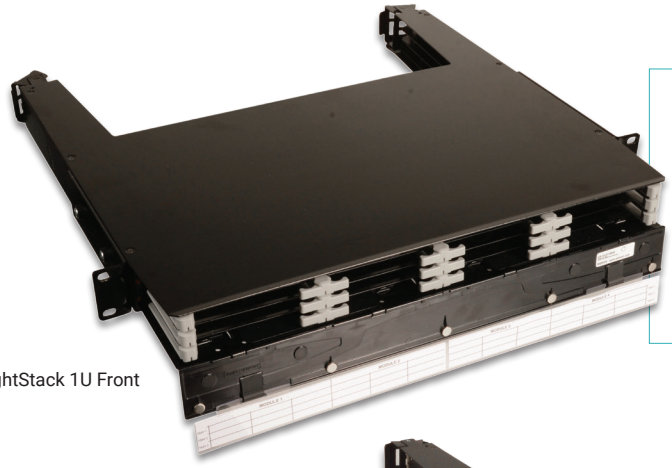


LightStack Adapter Plates

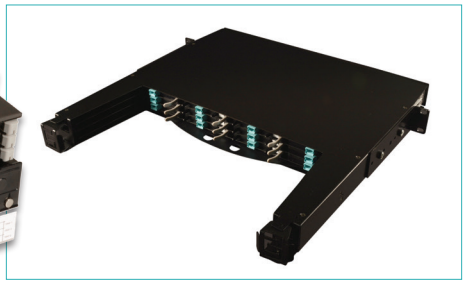
LightStack®
Expand Your Possibilities

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.

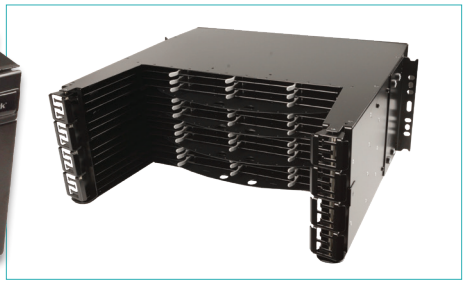


LightStack 1U Front

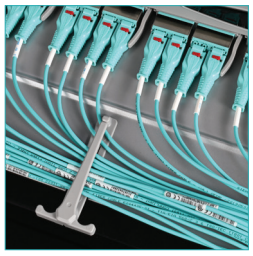


LightStack 1U Rear

LightStack 4U Front



LightStack 4U Rear



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.

Procuct Information

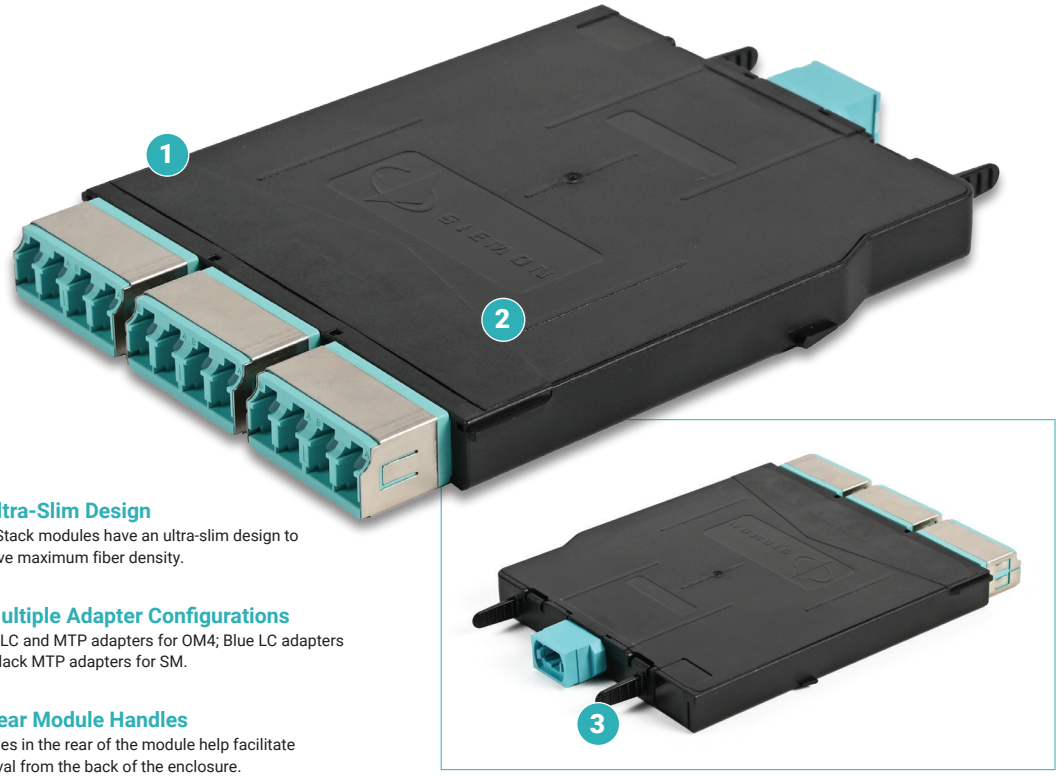
	Height	Width	Depth	Weight	Color	Label Size
LIGHTSTACK 1U	43.9mm (1.73 in.)	482.3mm (18.99 in.)	530.6mm (20.89 in.)	9.53kg (21 lbs.)	Black (RAL 9005)	204.5mm x 23.5mm (8.05 in. x .925 in.)
LIGHTSTACK 4U	176.8mm (6.96 in.)	482.3mm (18.99 in.)	530.6mm (20.89 in.)	23.58kg (52 lbs.)	Black (RAL 9005)	204.5mm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

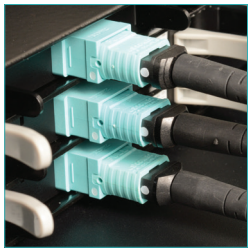


1. Ultra-Slim Design
LightStack modules have an ultra-slim design to achieve maximum fiber density.

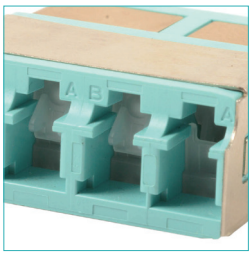
2. Multiple Adapter Configurations
Aqua LC and MTP adapters for OM4; Blue LC adapters and black MTP adapters for SM.

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

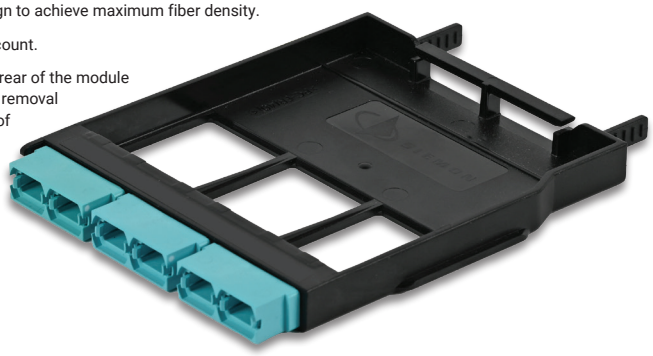
Part Number	Description
LSF-12-LS5V01U	Module, 12 MTP-to-LC, Ultra-low loss, OM4, XGLO 550, Shutter, Aqua LC adapters, Universal polarity, Unpinned, Aqua MTP adapters
LSF-12-LSSM01U	Module, 12 MTP-to-LC, Ultra-low loss, OS2 XGLO, Shutter, Blue LC adapters, Universal polarity, unpinned, Black MTP adapters

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

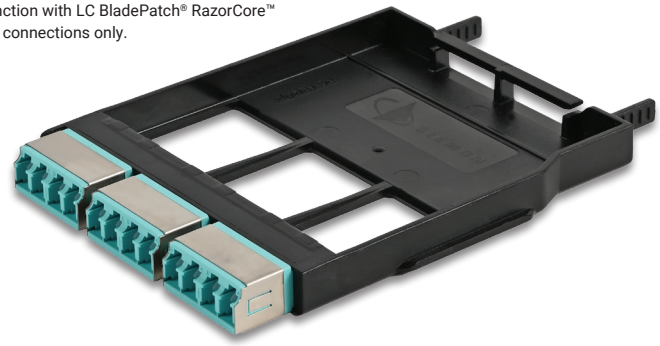
LS-MP (X) - 01 (X) (XX)

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.

North America
P: (1) 860 945 4200

Mexico
P: (521) 556 387 7708/09/10

Latin America
P: (571) 657 1950/51/52

Europe
P: (44) 0 1932 571771

Asia Pacific
P: (61) 2 8977 7500

Siemon OEM Technologies
P: (1) 860 945 4213
www.siemon.com/OEM

China
P: (86) 215385 0303

India, Middle East & Africa
P: (971) 4 3689743

www.siemon.com/lightstack

SIEMON™