

DATA CENTER FIBER NETWORKS



Since it was founded in 2003, SAMM Teknoloji has remarkably grown into a company that manufactures optical cables, optical cable assemblies and various telecommunication products.

SAMM Teknoloji provides cutting-edge products and services in the high-tech telecommunications infrastructure and data center sectors, allowing its customers to stay ahead of the competition in terms of technology and network efficiency.

By consistently investing in machinery, technology, and people, SAMM Teknoloji has become one of Europe's top enterprises in terms of capacity, technology, and innovative product development. It has also been certified as a research and development center since 2017.



20+ Years Experience

With more than 200 employees and 2 factories, we have achieved several significant projects in telecommunication fiber optic infrastructure.



World Class Production

With systematic and scientific methods, we always focus on reaching the highest quality in our fiber optic cable production and assembly lines.



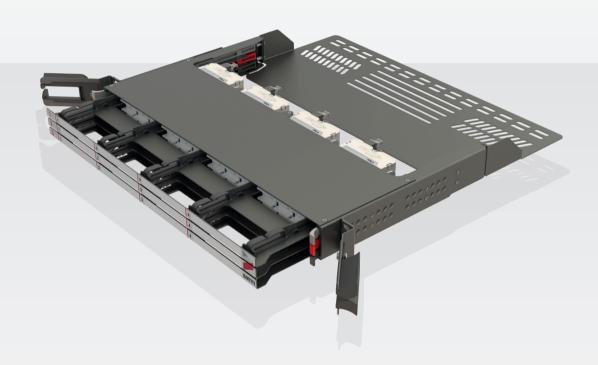
Connecting Continentals

An advantageous shipping location, at the intersection of Asia, Europe and the Middle-East.



Innovative Solutions

We are passionate about responding to customer demand and keeping pace with the ever evolving telecommunication and fiber optic technologies.



DATA CENTER FIBER OPTIC NETWORKS



Modular Ultra High Density Panels | G-Connect Series

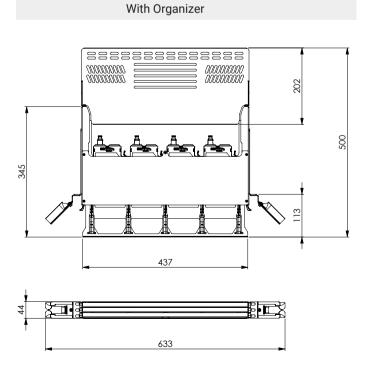
These panels are designed to accommodate Base-8 and Base-12 variety solutions in a high density and new generation structure. The modular construction combines highest port density with installation ease. A maximum of 144 LC connections can be stacked in 1U section, within 12 UHD modules.

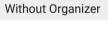


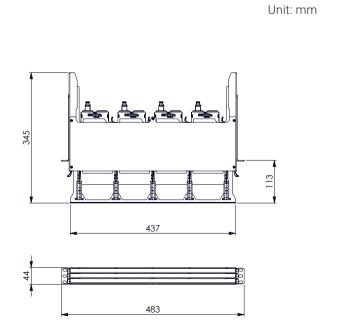
Features

- Modular structure with many different variations
- Configurable tray structure for Base-8 and Base-12 topologies
- Patented Rail Design
- In 1U 144 LC connector capacity
- 3 individually sliding trays per 1U for maximum flexibility during operation and installation
- Patch cord management for each individual tray
- Labelling front for module identification
- Sliding and extracting the modules of the trays for better access to cables during installation
- Modules can be removed and installed from the front and rear side of the trays

Dimensions

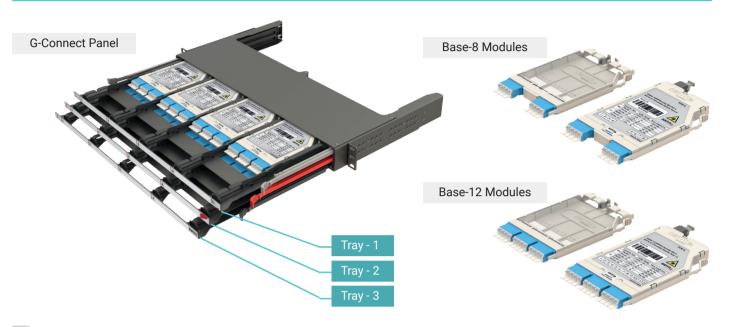








Different Backbone Design Options



Practical Benefits



Front Cable Guides



Rear Organizer



Order Coding



PAN-UHD-1U-B12-BLK-NN	19" 1U G-Connect UHDM Panel, Black, 12 Module Capacity, Base-12
PAN-UHD-1U-REAR-ORG	19" 1U G-Connect UHDM Panel Rear Organizer, Black
PAN-UHD-1U-FRONT-GUI	19" 1U G-Connect UHDM Panel Left/Right Front Cable Management Guides



UHD MTP-LC Conversion Modules Base-8 / Base-12

This ultra high-density MTP-LC conversion module is ideal for plug-and-play systems. The module hosts 8 or 12 LC adapters in the front and 1 MTP adapter in the back, with the optical circuit that interconnects the front and back adapters. This module has a thin design and a 1U panel can fit 12 modules in it.



Applications

- Entrance facility
- Data center
- Telecommunications room
- Cellular tower base station
- Consolidation point
- Central office
- Equipment room



Key Features and Benefits

- Front and rear installation options on panel rail guides
- Sliding mechanism allows modules to snap into position for quick and easy, tool-less mounting
- High-density: up to 144 fibers in a 1U rack space
- Safety lock design against movement when installed
- Port numbering on the label
- Robust and Strong design
- Complete optical testing



Technical Specifications

Plastic module materials	PC/ABS Blend, Light Grey
Flammability rate	UL94-V0
RoHS	Compliant
Operating temperature	-20°C to +60°C
Storage temperature	-25°C to +70°C



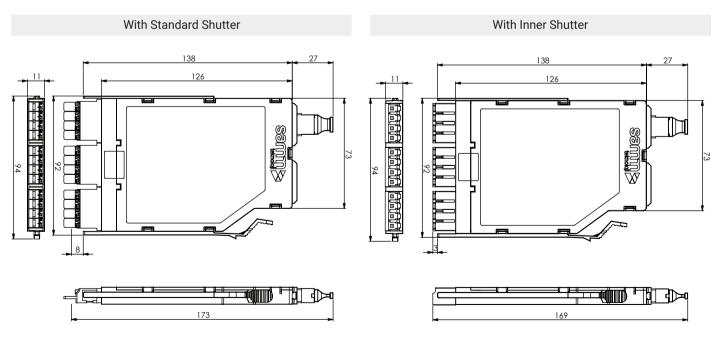
Optical Performance

Connector Type		IL(dB)	RL(dB)	Wave Length (nm)
	SM/APC	≤ 0.35	60	1310, 1550
MTP	OM3 MM / UPC	≤ 0.35	30	850, 1300
	OM4 MM / UPC	≤ 0.35	30	850, 1300
LC	SM/UPC	≤ 0.25	50	1310, 1550
	OM3 MM / UPC	≤ 0.25	40	850, 1300
	OM4 MM / UPC	≤ 0.25	40	850, 1300

Certification And Compliance

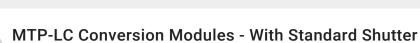
ANSI/TIA-942-A	IEC 60874-1
Telecommunications Infrastructure Standard for Data Centers	Connectors for Optical Fibers and Cables; Generic Standard
ANSI/TIA-568-C.3	IEC 61300
Optical Fiber Cabling Components Standard	Fiber Optic Interconnecting Devices and Passive
	Components; Basic Test and Measurement Procedures
TIA-604 series	IEC 60874-1
Fiber Optic Connector Intermateability Standard	Connectors for Optical Fibers and Cables; Generic Standard
TIA-455 series	UL 94
Standard Test Procedure for Fiber Optic Components	Tests for Flammability of Plastic Materials for Parts in
	Devices and Appliances
GR-326-CORE	RoHS
Generic Requirements for Single Mode Optical Connectors	Directive on Restriction of Hazardous Substances
and Jumper Assemblies	

Dimensions



Unit: mm







*(Please choose the right polarity wiring and fiber type - QR Code)

MTP Type	Single-Mode / OS2	Multi-Mode / OM3	Multi-Mode / OM4
Base-12		A THE STATE OF THE	
Base-8			

Web Code	Fiber Type-Count	Ordering Code	Description	Polarity
MT03000	SM/0S2 - 12	UHDM-1x12MTPEm/3xLCQD-OS2-A	OS2 MTP to LC Conversion Module , Base-12, Front 3x LC	Type A
MT03003	SM/0S2 - 12	UHDM-1x12MTPEm/3xLCQD-OS2-AF	Quad One Body Adapter Blue, Rear Pinned (Male)	Type AF
MT03006	SM/0S2 - 12	UHDM-1x12MTPEm/3xLCQD-OS2-B	1x MTP12 and 1xMTP Adapter Black	Туре В
MT03001	MM/OM3 - 12	UHDM-1x12MTPEm/3xLCQD-0M3-A	OM3 MTP to LC Conversion Module , Base-12, Front 3x LC	Type A
MT03004	MM/OM3 - 12	UHDM-1x12MTPEm/3xLCQD-0M3-AF	Quad One Body Adapter Aqua, Rear Pinned (Male)	Type AF
MT03007	MM/OM3 - 12	UHDM-1x12MTPEm/3xLCQD-0M3-B	1x MTP12 and 1xMTP Adapter Black	Туре В
MT03002	MM/OM4 - 12	UHDM-1x12MTPEm/3xLCQD-0M4-A	OM4 MTP to LC Conversion Module , Base-12, Front 3x LC	Type A
MT03005	MM/OM4 - 12	UHDM-1x12MTPEm/3xLCQD-0M4-AF	Quad One Body Adapter Violet, Rear Pinned (Male)	Type AF
MT03008	MM/OM4 - 12	UHDM-1x12MTPEm/3xLCQD-0M4-B	1x MTP12 and 1xMTP Adapter Black	Туре В
MT03009	SM/OS2 - 8	UHDM-1x8MTPEm/2xLCQD-OS2-A	OS2 MTP to LC Conversion Module , Base-8, Front 2x LC	Type A
MT03012	SM/OS2 - 8	UHDM-1x8MTPEm/2xLCQD-OS2-AF	Quad One Body Adapter Blue, Rear Pinned (Male)	Type AF
MT03015	SM/OS2 - 8	UHDM-1x8MTPEm/2xLCQD-OS2-B	1x MTP12 and 1xMTP Adapter Black	Туре В
MT03010	MM/OM3 - 8	UHDM-1x8MTPEm/2xLCQD-0M3-A	OM3 MTP to LC Conversion Module , Base-8, Front 2x LC	Type A
MT03013	MM/OM3 - 8	UHDM-1x8MTPEm/2xLCQD-0M3-AF	Quad One Body Adapter Aqua, Rear Pinned (Male)	Type AF
MT03016	MM/OM3 - 8	UHDM-1x8MTPEm/2xLCQD-0M3-B	1x MTP12 and 1xMTP Adapter Black	Туре В
MT03011	MM/OM4 - 8	UHDM-1x8MTPEm/2xLCQD-0M4-A	OM4 MTP to LC Conversion Module , Base-8, Front 2x LC	Type A
MT03014	MM/OM4 - 8	UHDM-1x8MTPEm/2xLCQD-0M4-AF	Quad One Body Adapter Violet, Rear Pinned (Male)	Type AF
MT03017	MM/OM4 - 8	UHDM-1x8MTPEm/2xLCQD-0M4-B	1x MTP12 and 1xMTP Adapter Black	Туре В





MTP-LC Conversion Modules - With Inner Shutter

*(Please choose the right polarity wiring and fiber type - QR Code)

MTP Type	Single-Mode / OS2	Multi-Mode / OM3	Multi-Mode / OM4
Base-12			
Base-8			

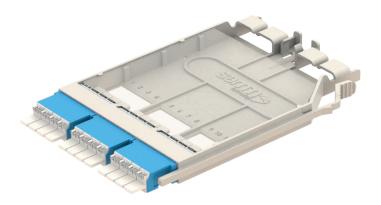
Web Code	Fiber Type-Count	Ordering Code	Description	Polarity
MT14901	SM/0S2 - 12	UHDM-1x12MTPEm/3xISLCQD-0S2-A	OS2 MTP to LC Conversion Module , Base-12, Front 3x LC	Type A
MT14902	SM/0S2 - 12	UHDM-1x12MTPEm/3xISLCQD-0S2-AF	Quad Inner Shutter One Body Adapter Blue, Rear Pinned	Type AF
MT14903	SM/0S2 - 12	UHDM-1x12MTPEm/3xISLCQD-0S2-B	(Male) 1x MTP12 and 1xMTP Adapter Black	Туре В
MT14895	MM/OM3 - 12	UHDM-1x12MTPEm/3xISLCQD-0M3-A	OM3 MTP to LC Conversion Module , Base-12, Front 3x LC	Туре А
MT14896	MM/OM3 - 12	UHDM-1x12MTPEm/3xISLCQD-OM3-AF	Quad Inner Shutter One Body Adapter Aqua, Rear Pinned	Type AF
MT14897	MM/OM3 - 12	UHDM-1x12MTPEm/3xISLCQD-OM3-B	(Male) 1x MTP12 and 1xMTP Adapter Black	Туре В
MT14898	MM/OM4 - 12	UHDM-1x12MTPEm/3xISLCQD-0M4-A	OM4 MTP to LC Conversion Module , Base-12, Front 3x LC	Type A
MT14899	MM/OM4 - 12	UHDM-1x12MTPEm/3xISLCQD-0M4-AF	Quad Inner Shutter One Body Adapter Violet, Rear Pinned	Type AF
MT14900	MM/OM4 - 12	UHDM-1x12MTPEm/3xISLCQD-0M4-B	(Male) 1x MTP12 and 1xMTP Adapter Black	Туре В
MT14910	SM/OS2 - 8	UHDM-1x8MTPEm/2xISLCQD-0S2-A	OS2 MTP to LC Conversion Module , Base-8, Front 2x LC	Туре А
MT14911	SM/OS2 - 8	UHDM-1x8MTPEm/2xISLCQD-0S2-AF	Quad Inner Shutter One Body Adapter Blue, Rear Pinned	Type AF
MT14912	SM/OS2 - 8	UHDM-1x8MTPEm/2xISLCQD-0S2-B	(Male) 1x MTP12 and 1xMTP Adapter Black	Туре В
MT14904	MM/OM3 - 8	UHDM-1x8MTPEm/2xISLCQD-0M3-A	OM3 MTP to LC Conversion Module , Base-8, Front 2x LC	Type A
MT14905	MM/OM3 - 8	UHDM-1x8MTPEm/2xISLCQD-0M3-AF	Quad Inner Shutter One Body Adapter Aqua, Rear Pinned	Type AF
MT14906	MM/OM3 - 8	UHDM-1x8MTPEm/2xISLCQD-0M3-B	(Male) 1x MTP12 and 1xMTP Adapter Black	Туре В
MT14907	MM/OM4 - 8	UHDM-1x8MTPEm/2xISLCQD-0M4-A	OM4 MTP to LC Conversion Module , Base-8, Front 2x LC	Type A
MT14908	MM/OM4 - 8	UHDM-1x8MTPEm/2xISLCQD-0M4-AF	Quad Inner Shutter One Body Adapter Violet, Rear Pinned	Type AF
MT14909	MM/OM4 - 8	UHDM-1x8MTPEm/2xISLCQD-0M4-B	(Male) 1x MTP12 and 1xMTP Adapter Black	Type B



Patch Modules Base-8 / Base-12

This patch module houses the interconnections between fiber optic assemblies and active equipment, it is designed to facilitate "end-to-end" parallel optics connectivity. It can accommodate standard MTP, LC and SC connectors and has a fiber capacity of 6/12/144 fiber interconnections per module.

Patch Modules snap easily into position with a fluid and robust sliding mechanism, and are compatible with all G-Connect Series high density panels. These modules provide a straight through LC, SC or MTP patching field, which allows trunk cables to be connected directly to patch cords or harnesses.





Applications

- Entrance facility
- Data center
- Telecommunications room
- Cellular tower base station
- Consolidation point
- Central office
- Equipment room

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Key Features and Benefits

- Front and rear installation options on panel rail guides
- Safety lock design against movement when installed
- Two sides rear cable entry
- Fan-out divider holder
- Engraved port numbering
- Robust and Strong design

Patch Capacity for 1U G-Connect High Density Panel

Connector Type	LC	SC	MTP-8	MTP-12	MTP-24
Fiber Count	144	72	576	864	1728



Technical Specifications

Module Fiber Count Variations	8/12/24/48/72/144 Fibers
Adapters Insertion Loss	≤ 0.1 dB (Typical)
	≤ 0.2 dB (Maximum)
Plastic Module Materials	PC/ABS Blend, Light Grey
Flammability Rate	UL94-V0
RoHS	Compliant
Operating Temperature	-20°C to +60°C
Storage Temperature	-25°C to +70°C



Certification and Compliance

ANSI/TIA-942-A	IEC 60874-1
Telecommunications Infrastructure Standard for Data Centers	Connectors for Optical Fibers and Cables; Generic Standard
ANSI/TIA-568-C.3	IEC 61300
Optical Fiber Cabling Components Standard	Fiber Optic Interconnecting Devices and Passive
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Generic Requirements for Single Mode Optical Connectors	Directive on Restriction of Hazardous Substances
and Jumper Assemblies	

LC Patch Modules



SC Patch Modules



MTP Patch Modules

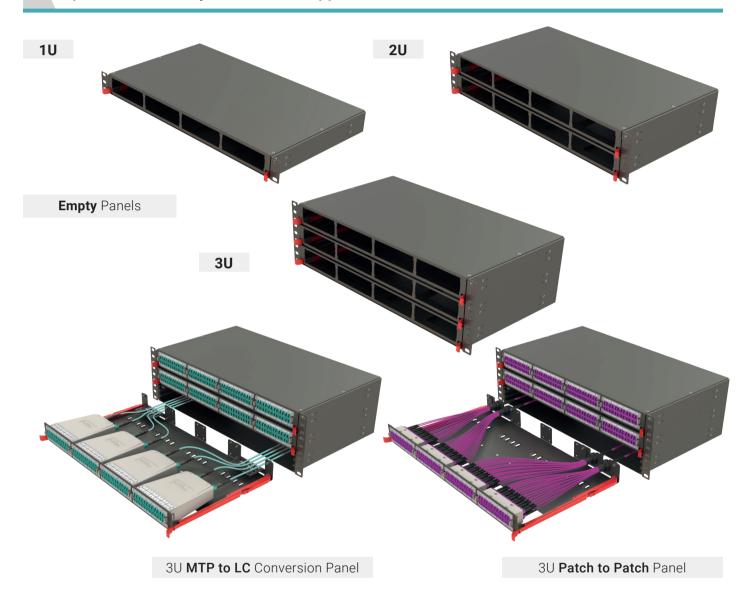




High Density Modular Fiber Panels

High density modular fiber panels can terminate, organize and distribute up to 144/288 fibers. These panels are designed to be mounted on 19" rack systems and they have 4 solts, in each 1U unit, that can hold MTP/LC conversion modules and MTP/LC/SC patch adapter modules. These HD modular fiber optic panels are compatible with optional accessories such as pre-installed inner splicing trays, cable tie-up plates, fan-out fixing plates, blind plates, optical adapters and fiber pigtails. High Density Modular Fiber Panels are generally used in data centers.

Optional Modularity for Different Applications



Panel Capacity

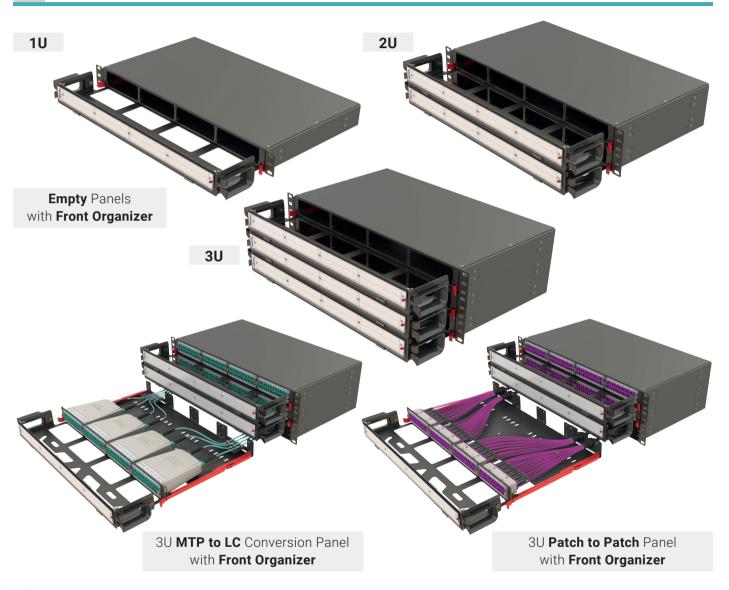
Type of Panel		Conversion Modules	Patch I	Modules	
		MTP to LC	MTP to MTP	LC	SC
1U Panel (4 Slots)	Module Capacity	12/24	96/144/288	24	12
10 Panel (4 Slots)	Panel Capacity	48/96	384/576/1152	96	48
2U Panel (8 Slots)	Module Capacity	12/24	96/144/288	24	12
	Panel Capacity	96/192	768/1152/2304	192	96
3U Panel (12 Slots)	Module Capacity	12/24	96/144/288	24	12
	Panel Capacity	144/288	1152/1728/3456	288	144



High Density Modular Fiber Panels with Front Organizer

These panels are similar to the HD modular fiber panels, but they come with a front cable organizer. The front cable organizer is fit for 1U, 2U or 3U sections according to the height of the panel. It helps in saving cabinet space and arranging the cabling system. The smart design of the front organizer offers easier cable management and extends the life of cables, connectors and fiber network components.

Optional Modularity for Different Applications



Panel Capacity

Type of Panel		Conversion Modules	Patch Modules		
Туре о	i i dilei	MTP to LC	MTP to MTP	LC	SC
1U Panel (4 Slots)	Module Capacity	12/24	96/144/288	24	12
10 Fallel (4 31015)	Panel Capacity	48/96	384/576/1152	96	48
2U Panel (8 Slots)	Module Capacity	12/24	96/144/288	24	12
20 Fallel (6 31015)	Panel Capacity	96/192	768/1152/2304	192	96
3U Panel (12 Slots)	Module Capacity	12/24	96/144/288	24	12
	Panel Capacity	144/288	1152/1728/3456	288	144



1U High Density Modular Fiber Panels - Easy Series

1U high density modular fiber optic panels can terminate, organize and distribute up to 48/96 fibers. These panels are designed to be mounted on 19" rack systems and they have 4 slots in a 1U unit that can hold conversion modules and MTP/LC/SC patch adapter modules. High Density Modular Fiber Panels are generally used in data centers.

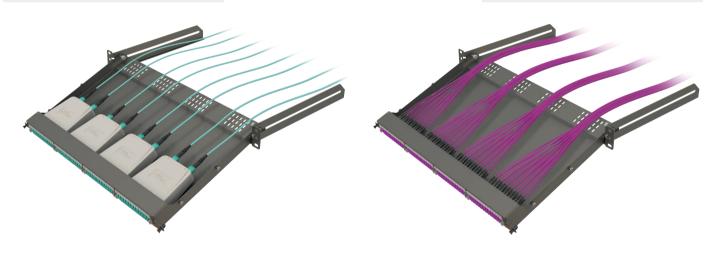


Optional Modularity for Different Applications



1U Conversion Panel





Panel Capacity

Type of Modules		Conversion Modules	Patch Modules		
.,,,,,	modulos	MTP to LC	MTP to MTP	LC	SC
1U Panel (4 Slots)	Modül Kapasitesi	12/24	96/144/288	24	12
10 Pallel (4 Siots)	Panel Kapasitesi	48/96	384/576/1152	96	48



MT13213 EHDM -PANEL-1U-4SL-V0- BLK-NN Mechanical Sliding Modular Panel





High Density MTP to LC Conversion Module | 12 LC-DX

This high-density MTP-LC conversion module is ideal for plug-and-play systems. The module hosts 12 or 24 LC adapters in the front and 1 or 2 MTP adapters in the back, with the optical circuit that interconnects the front and rear adapters. This module has an HD design and a 1U panel can fit 4 modules in it.





Applications

- Entrance facility
- Data center
- Telecommunications room
- Cellular tower base station
- Consolidation point
- Central office
- Equipment room



Key Features and Benefits

- Front installation on panel rail guides
- Sliding mechanism allows modules to snap into position for quick and easy, tool-less mounting
- High-density: up to 96 fibers in a 1U rack space
- Safety lock design against movement when installed
- Port numbering on the label
- Robust and Strong design
- Complete optical testing



Technical Specifications

Plastic module materials	PC/ABS Blend, Light Grey
Flammability rate	UL94-V0
RoHS	Compliant
Operating temperature	-20°C to +60°C
Storage temperature	-25°C to +70°C





MTP to LC Conversion Modules | 1xBase-24 / 12xLC-Duplex



*(Please choose the right polarity wiring and fiber type - QR Code)





OS2 Base-24 to 12 LC Duplex Module



Code and Description

HDM-PC24 -24F-1xMTP24-OS2-12LCDX-A Single Mode, A2, 9/125, MTP to LC Module, 1xMTP24-LC, Type A

HDM-PC24 -24F-1xMTP24-OS2-12LCDX-AF Single Mode, A2, 9/125, MTP to LC Module,

1xMTP24-LC, Type AF

HDM-PC24 -24F-1xMTP24-0S2-12LCDX-B

Single Mode, A2, 9/125, MTP to LC Module, 1xMTP24-LC, Type B

OM3 Base-24 to 12 LC Duplex Module



Code and Description

HDM-PC24 -24F-1xMTP24-OM3-12LCDX-A
Multimode Mode, OM3, 50/125, MTP to LC Module,
1xMTP24-LC, Type A

HDM-PC24 -24F-1xMTP24-OM3-12LCDX-AF
Multimode Mode, OM3, 50/125, MTP to LC Module,

1xMTP24-LC, Type AF

HDM-PC24 -24F-1xMTP24-0M3-12LCDX-B

Multimode Mode, OM3, 50/125, MTP to LC Module, 1xMTP24-LC, Type B

OM4 Base-24 to 12 LC Duplex Module



Code and Description

HDM-PC24 -24F-1xMTP24-0M4-12LCDX-A

Multimode Mode, OM4, 50/125, MTP to LC Module,

1xMTP24-LC, Type A

HDM-PC24 -24F-1xMTP24-0M4-12LCDX-AF

Multimode Mode, OM4, 50/125, MTP to LC Module,

1xMTP24-LC, Type AF

HDM-PC24 -24F-1xMTP24-0M4-12LCDX-B

Multimode Mode, OM4, 50/125, MTP to LC Module,

1xMTP24-LC, Type B



MTP to LC Conversion Modules | 2xBase-12 / 12xLC-Duplex

*(Please choose the right polarity wiring and fiber type - Page 14, QR Code)





OS2 2xBase-12 to 12 LC Duplex Module



Code and Description

HDM-PC24 -24F-2xMTP12-OS2-12LCDX-A Single Mode, A2, 9/125, MTP to LC Module, 2xMTP12-LC, Type A

HDM-PC24 -24F-2xMTP12-OS2-12LCDX-AF Single Mode, A2, 9/125, MTP to LC Module, 2xMTP12-LC, Type AF

HDM-PC24 -24F-2xMTP12-OS2-12LCDX-B Single Mode, A2, 9/125, MTP to LC Module, 2xMTP12-LC, Type B

OM3 2xBase-12 to 12 LC Duplex Module



Code and Description

HDM-PC24 -24F-2xMTP12-OM3-12LCDX-A
Multimode Mode, OM3, 50/125, MTP to LC Module,
2xMTP12-LC, Type A

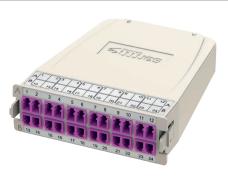
HDM-PC24 -24F-2xMTP12-OM3-12LCDX-AF Multimode Mode, OM3, 50/125, MTP to LC Module, 2xMTP12-LC, Type AF

HDM-PC24 -24F-2xMTP12-OM3-12LCDX-B

Multimode Mode, OM3, 50/125, MTP to LC Module,

2xMTP12-LC, Type B

OM4 2xBase-12 to 12 LC Duplex Module



Code and Description

Multimode Mode, OM4, 50/125, MTP to LC Module, 2xMTP12-LC, Type A

HDM-PC24 -24F-2xMTP12-OM4-12LCDX-AF

Multimode Mode, OM4, 50/125, MTP to LC Module, 2xMTP12-LC, Type AF

HDM-PC24 -24F-2xMTP12-OM4-12LCDX-B

HDM-PC24 -24F-2xMTP12-0M4-12LCDX-A

Multimode Mode, OM4, 50/125, MTP to LC Module, 2xMTP12-LC, Type B





MTP to LC Conversion Modules | 1xBase-12 / 6xLC-Duplex



*(Please choose the right polarity wiring and fiber type - QR Code)





OS2 Base-12 to 6 LC Duplex Module



Code and Description

HDM-PC12 -12F-1xMTP12-OS2-06LCDX-A Single Mode, A2, 9/125, MTP to LC Module,

1xMTP12-LC, Type A

HDM-PC12 -12F-1xMTP12-OS2-06LCDX-AF

Single Mode, A2, 9/125, MTP to LC Module,

1xMTP12-LC, Type AF

HDM-PC12 -12F-1xMTP12-OS2-06LCDX-B

Single Mode, A2, 9/125, MTP to LC Module,

1xMTP12-LC, Type B

OM3 Base-12 to 6 LC Duplex Module



Code and Description

HDM-PC12 -12F-1xMTP12-0M3-06LCDX-A

Multimode Mode, OM3, 50/125, MTP to LC Module,

1xMTP12-LC, Type A

HDM-PC12 -12F-1xMTP12-0M3-06LCDX-AF

Multimode Mode, OM3, 50/125, MTP to LC Module,

1xMTP12-LC, Type AF

HDM-PC12 -12F-1xMTP12-OM3-06LCDX-B

Multimode Mode, OM3, 50/125, MTP to LC Module,

1xMTP12-LC, Type B

OM4 Base-12 to 6 LC Duplex Module



Code and Description

HDM-PC12 -12F-1xMTP12-0M4-06LCDX-A

Multimode Mode, OM4, 50/125, MTP to LC Module,

1xMTP12-LC, Type A

HDM-PC12 -12F-1xMTP12-OM4-06LCDX-AF

Multimode Mode, OM4, 50/125, MTP to LC Module,

1xMTP12-LC, Type AF

HDM-PC12 -12F-1xMTP12-0M4-06LCDX-B

Multimode Mode, OM4, 50/125, MTP to LC Module,

1xMTP12-LC, Type B



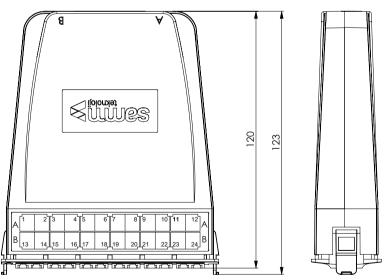
Optical Values

(Connector Type	IL(dB)	RL(dB)	Wave Length (nm)
	SM/APC	≤ 0.35	60	1310, 1550
MTP	OM3 MM / UPC	≤ 0.35	30	850, 1300
	OM4 MM / UPC	≤ 0.35	30	850, 1300
	SM/UPC	≤ 0.25	50	1310, 1550
LC	OM3 MM / UPC	≤ 0.25	40	850, 1300
	OM4 MM / UPC	≤ 0.25	40	850, 1300

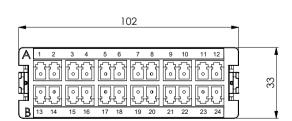
Certification And Compliance

ANSI/TIA-942-A	IEC 60874-1
Telecommunications Infrastructure Standard for Data Centers	Connectors for Optical Fibers and Cables; Generic Standard
ANSI/TIA-568-C.3	IEC 61300
Optical Fiber Cabling Components Standard	Fiber Optic Interconnecting Devices and Passive
	Components; Basic Test and Measurement Procedures
TIA-604 series	IEC 60874-1
Fiber Optic Connector Intermateability Standard	Connectors for Optical Fibers and Cables; Generic Standard
TIA-455 series	UL 94
Standard Test Procedure for Fiber Optic Components	Tests for Flammability of Plastic Material for Parts in
	Devices and Appliances
GR-326-CORE	RoHS
Generic Requirements for Single Mode Optical Connectors	Directive on Restriction of Hazardous Substances
and Jumper Assemblies	

Module Dimensions







Unit: mm





Plastic Adapter Modules LC Duplex





12x LC Duplex Adapters - 24 Fibers

HDM-PAM-12LCDX-OS2-BU

High Density Modular Panel, 12 LC Duplex Adapter Module, Single Mode, OS2, Blue Adapter

HDM-PAM-12LCDX-OS2-GN

High Density Modular Panel, 12 LC Duplex Adapter Module, Single Mode, OS2, Green Adapter

HDM-PAM-12LCDX-OM2-BG

High Density Modular Panel, 12 LC Duplex Adapter Module, Multimode Mode, OM2, Beige Adapter

HDM-PAM-12LCDX-OM3-AQ

High Density Modular Panel, 12 LC Duplex Adapter Module, Multimode Mode, OM3, Aqua Adapter

HDM-PAM-12LCDX-OM4-VT

High Density Modular Panel, 12 LC Duplex Adapter Module, Multimode Mode, OM4, Violet Adapter

6x LC Duplex Adapters - 12 Fibers

HDM-PAM-06LCDX-OS2-BU

High Density Modular Panel, 6 LC Duplex Adapter Module, Single Mode, OS2, Blue Adapter

HDM-PAM-06LCDX-OS2-GN

High Density Modular Panel, 6 LC Duplex Adapter Module, Single Mode, OS2, Green Adapter

HDM-PAM-06LCDX-OM2-BG

High Density Modular Panel, 6 LC Duplex Adapter Module, Multimode Mode, OM2, Beige Adapter

HDM-PAM-06LCDX-OM3-AQ

High Density Modular Panel, 6 LC Duplex Adapter Module, Multimode Mode, OM3, Aqua Adapter

HDM-PAM-06LCDX-OM4-VT

High Density Modular Panel, 6 LC Duplex Adapter Module, Multimode Mode, OM4, Violet Adapter



Plastic Adapter Modules SC Simplex











12x SC Simplex Adapters - 12 Fibers

HDM-PAM-12SCSX-OS2-BU

High Density Modular Panel, 12 SC Simplex Adapter Module, Single Mode, OS2, Blue Adapter

HDM-PAM-12SCSX-OS2-GN

High Density Modular Panel, 12 SC Simplex Adapter Module, Single Mode, OS2, Green Adapter

HDM-PAM-12SCSX-OM2-BG

High Density Modular Panel, 12 SC Simplex Adapter Module, Multimode Mode, OM2, Beige Adapter

HDM-PAM-12SCSX-OM3-AQ

High Density Modular Panel, 12 SC Simplex Adapter Module, Multimode Mode, OM3, Aqua Adapter

HDM-PAM-12SCSX-OM4-VT

High Density Modular Panel, 12 SC Simplex Adapter Module, Multimode Mode, OM4, Violet Adapter

Plastic Adapter Modules MTP (Opposed)







12x MTP Adapters - 96/144/288 Fibers

HDM-PAM-12MTP-GEN-BK_Opposed
High Density Modular Panel, 12 MTP Simplex Adapter
Module, Generic, Black Adapter

HDM-PAM-12MTP-OM3-AQ_Opposed

High Density Modular Panel, 12 MTP Simplex Adapter

Module, Multimode Mode, OM3, Aqua Adapter

HDM-PAM-12MTP-OM4-VT_Opposed

High Density Modular Panel, 12 MTP Simplex Adapter

Module, Multimode Mode, OM4, Violet Adapter

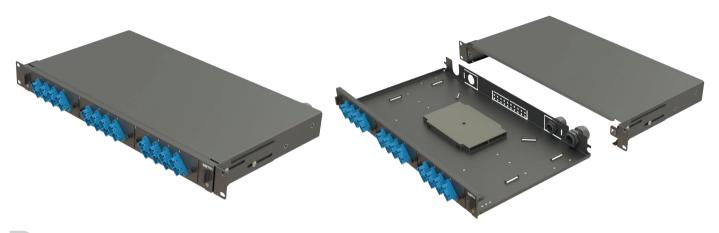


Modular-Type Bright Series Fiber Optic Patch Panels | Mechanical-Sliding, 1U

Modular-Type Bright Series Mechanical Sliding Panel Systems are designed for modularity that allows 3 different adapter module options. These panels can be opened and closed by sliding on the bottom surface of the side walls.

The panels are also available blank or pre-assembled with a wide variety of connector types up to 48 Fiber capacities. Adapter modules can be mounted/dismounted with plastic clip structures.

These panels are used in telecom rooms, main distribution rooms and system rooms to terminate, distribute and manage fiber/copper optic infrastructure in many different applications and needs with a wide variety of fiber optic adapter / connector options such as LC / SC / FC / ST / MTP / E2000 / LSH and RJ-45.



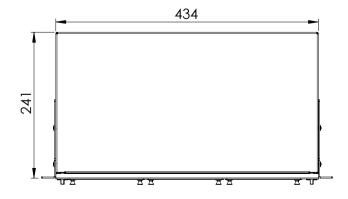
Features and Benefits

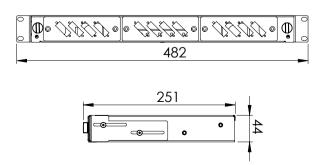
- Interchangeable and modular design for both fiber and copper connectors
- Safe tray lock mechanisim with two simple plastic quarter turn lock
- One basic unit fits all types of connectors providing high flexibility, low cost and easy to handle stock
- Robust and installer-friendly design providing reduced installation and operating costs
- Different rear cable entry options with PG16 and PG13,5 gland holes
- Screwable desing on FO adapter plates
- Fast installation modules with snap in fixation latches
- Adjustable depth in rack
- Powder-coated RAL 9000 (Black)
- Operating temperature: -20°C / +80°C

Compliance/Certifications

ISO 9001:2015 Designed, manufactured and/or distributed under this quality management system Flammability rating UL94 V-0 ROHS Compliant











Picture	Description	Order Code	
	Bright Series Modular Panel, Mechanical Sliding 1U, 3 Slot Capacity	BSMOD-1U-MSV0-FP3S-EMPTY	
	Single Splice Kits	Order Code	
45 min	Splice Tray Kit 1: 1x12F Tray + 12 Pcs of Splice Protectors Splice Tray Kit 2: 1x24F Tray + 24 Pcs of Splice Protectors	BS-SPLKIT1-12F-1T-BLK BS-SPLKIT2-24F-1T-BLK	
	Group Splice Kits	Order Code	
45 mm	Splice Tray Kit 3: 2x12F Tray + 24 Pcs of Splice Protectors Splice Tray Kit 4: 2x24F Tray + 48 Pcs of Splice Protectors	BS-SPLKIT3-24F-2T-BLK BS-SPLKIT4-48F-2T-BLK	
	Group Splice Kits	Order Code	
45 mm	Splice Tray Kit 5: 4x12F Tray + 48 Pcs of Splice Protectors	BS-SPLKIT5-48F-4T-BLK	

Order Codes for Front Modules

Picture	Description	Order Code
•	Blank Module for Bright Series Modular Panel	BS-BM01_1Pc BS-BM01_1Pc
3 2 3 4 • • • • • • • • • • • •	4xSC Simplex Horizontal Module for Bright Series Modular Panel	BS-BM02_1Pc BS-BM02_3Pcs
• • • • • • • • • • • • • • • • • • •	8xSC Simplex Horizontal Module for Bright Series Modular Panel	BS-BM03_1Pc BS-BM03_3Pcs
• 1111	4xSC Duplex Angled Module for Bright Series Modular Panel	BS-BM04_1Pc BS-BM04_3Pcs
•	4xKeystone Module for Bright Series Modular Panel	BS-BM05_1Pc BS-BM05_3Pcs
	8xST or 8xFC(D-hole) Module for Bright Series Modular Panel	BS-BM06_1Pc BS-BM06_3Pcs
• • • • • • • • • •	8xSC Simplex Module for Bright Series Modular Panel	BS-BM07_1Pc BS-BM07_3Pcs
• #######	8xSC Duplex Module for Bright Series Modular Panel	BS-BM08_1Pc BS-BM08_3Pcs

^{***} Note: Adapters and pigtails will be ordered separately, please visit (LINK) telecom.samm.com

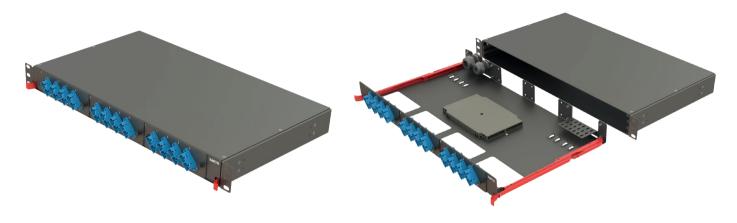


Modular-Type Bright Series Fiber Optic Patch Panels | Rail-Sliding, 1U

Modular-Type Bright Series Rail Sliding Panel Systems are designed for modularity that allows 3 different adapter module options. These panels can be opened and closed on a plastic rail mechanism.

The panels are also available blank or pre-assembled with a wide variety of connector types up to 48 Fiber capacities. Adapter modules can be mounted/dismounted with plastic clip structures.

These panels are used in telecom rooms, main distribution rooms and system rooms to terminate, distribute and manage fiber/copper optic infrastructure in many different applications and needs with a wide variety of fiber optic adapter / connector options such as LC / SC / FC / ST / MTP / E2000 / LSH and RJ-45.



Features and Benefits

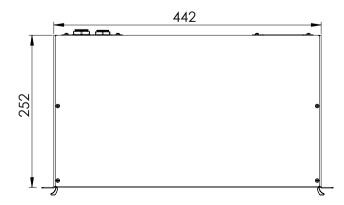
- Interchangeable and modular design for both fiber and copper connectors
- Special plastic rail and locking mechanism
- One basic unit fits all types of connectors providing high flexibility, low cost and easy to handle stock
- Robust and installer-friendly design providing reduced installation and operating costs
- Different rear cable entry options with PG16 and PG13,5 gland holes
- Screwable desing on FO adapter plates
- Fast installation modules with snap in fixation latches
- Removable shelf design for installation easiness
- Powder-coated RAL 9000 (Black)
- Operating temperature: -20°C / +80°C

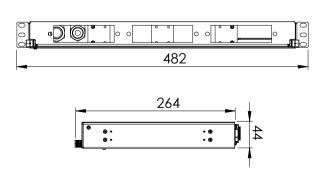
Compliance/Certifications

ISO 9001:2015 Designed, manufactured and/or distributed under this quality management system Flammability rating UL94 V-0 ROHS Compliant



Dimensions









Order Codes for Panel

Picture	Description	Order Code
	Bright Series Modular Panel, Rail Sliding 1U, 3 Slot Capacity	BSMOD-1U-RSV0-FP3S-EMPTY
	Single Splice Kits	Order Code
45 mm	Splice Tray Kit 1: 1x12F Tray + 12 Pcs of Splice Protectors Splice Tray Kit 2: 1x24F Tray + 24 Pcs of Splice Protectors	BS-SPLKIT1-12F-1T-BLK BS-SPLKIT2-24F-1T-BLK
	Group Splice Kits	Order Code
45 mm	Splice Tray Kit 3: 2x12F Tray + 24 Pcs of Splice Protectors Splice Tray Kit 4: 2x24F Tray + 48 Pcs of Splice Protectors	BS-SPLKIT3-24F-2T-BLK BS-SPLKIT4-48F-2T-BLK
	Group Splice Kits	Order Code
45 nm	Splice Tray Kit 5: 4x12F Tray + 48 Pcs of Splice Protectors	BS-SPLKIT5-48F-4T-BLK

Order Codes for Front Modules

Picture	Description	Order Code
• •	Blank Module for Bright Series Modular Panel	BS-BM15_1Pc
	4xSC Simplex Horizontal Module for Bright Series Modular Panel	BS-BM09_1Pc BS-BM09_3Pcs
	8xSC Simplex Horizontal Module for Bright Series Modular Panel	BS-BM10_1Pc BS-BM10_3Pcs
• • • • • • • • • • • • • • • • • • • •	4xSC Duplex Angled Module for Bright Series Modular Panel	BS-BM11_1Pc BS-BM11_3Pcs
•	4xKeystone Module for Bright Series Modular Panel	BS-BM12_1Pc BS-BM12_3Pcs
	8xST or 8xFC(D-hole) Module for Bright Series Modular Panel	BS-BM13_1Pc BS-BM13_3Pcs
• • • • • • • • • • • •	8xSC Simplex Module for Bright Series Modular Panel	BS-BM14_1Pc BS-BM14_3Pcs

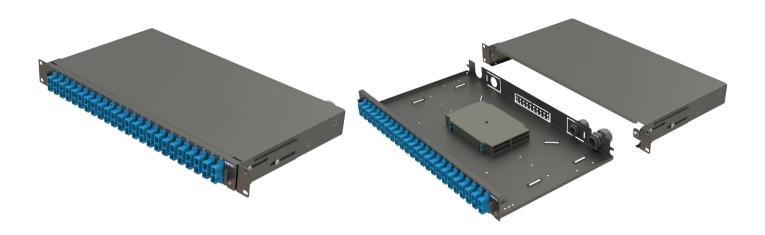
^{***} Note: Adapters and pigtails will be ordered separately, please visit (LINK) telecom.samm.com



Fixed-Type Bright Series Fiber Optic Patch Panels | Mechanical-Sliding, 1U

Fixed-Type Bright Series Mechanical-Sliding Patch Panel Systems are designed for termination of up to 96 optical fibers according to the selected front panel structure. These panels can be opened and closed by sliding on the bottom surface of the side walls.

The panels are also available blank or pre-assembled with a wide variety of connector types up to 96 Fiber capacities. 1U fiber distribution panels are flexible to achieve diversified applications in the telecom room and main distribution area, to work with various adaptor fiber optic adapter/connector types such as LC/SC/FC/ST/MTP/E2000/LSH.



Features and Benefits

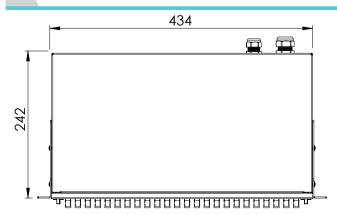
- Safe tray lock mechanisim with two simple plastic quarter turn lock
- Robust and installer-friendly design providing reduced installation and operating costs
- Wide range of front plate options for different types of adapters
- Different rear cable entry options with PG16 and PG13,5 gland holes
- Screwable desing on FO adapter plates
- Adjustable depth in rack
- Powder-coated RAL 9000 (Black)
- Operating temperature: -20°C / +80°C

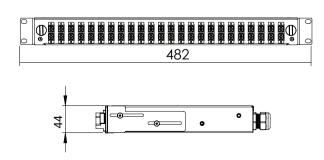
Compliance/Certifications

ISO 9001:2015 Designed, manufactured and/or distributed under this quality management system Flammability rating UL94 V-0 ROHS Compliant



Dimensions







Front Panels Options

Choose Front Panel					
Front Panels	Panel Code	Available Adapters	Order Code		
	FP01	SC Simplex 12 LC Duplex LSH Simplex	BSFXD-1U-MSV0-FP01-EMPTY		
	FP02	SC Duplex LC Quad	BSFXD-1U-MSV0-FP02-EMPTY		
	FP03	SC Simplex 24 LC Duplex LSH Simplex	BSFXD-1U-MSV0-FP03-EMPTY		
	FP04	24 SC Duplex LC Quad	BSFXD-1U-MSV0-FP04-EMPTY		
	FP05	24 SC Simplex LC Duplex	BSFXD-1U-MSV0-FP05-EMPTY		
	FP06	FC Simplex ST Simplex	BSFXD-1U-MSV0-FP06-EMPTY		

Order Codes for Splice Kits

Picture	Description	Order Code
	Single Splice Kits	Order Code
45mm	Splice Tray Kit 1: 1x12F Tray + 12 Pcs of Splice Protectors	BS-SPLKIT1-12F-1T-BLK
	Splice Tray Kit 2: 1x24F Tray + 24 Pcs of Splice Protectors	BS-SPLKIT2-24F-1T-BLK
	Group Splice Kits	Order Code
45 nm	Splice Tray Kit 3: 2x12F Tray + 24 Pcs of Splice Protectors	BS-SPLKIT3-24F-2T-BLK
	Splice Tray Kit 4: 2x24F Tray + 48 Pcs of Splice Protectors	BS-SPLKIT4-48F-2T-BLK
	Group Splice Kits	Order Code
45 mm	Splice Tray Kit 5: 4x12F Tray + 48 Pcs of Splice Protectors	BS-SPLKIT5-48F-4T-BLK

Ordering Coding 19" Front Patch Shelves

(sample coding)

BSFXD - 1U - MSV0 - FP02 - SPLKIT2 - A2 - SC - DX - 24

Rail System	Front Panel	Splice Kit	Fiber Type	Connector	Port Options	Fiber Count
Mechanical Sliding: MSV0	Panel-01: FP01 Panel-02: FP02 Panel-03: FP03 Panel-04: FP04 Panel-05: FP05 Panel-06: FP06	Splice Tray Kit 1: SPLKIT1 Splice Tray Kit 2: SPLKIT2 Splice Tray Kit 3: SPLKIT3 Splice Tray Kit 4: SPLKIT4 Splice Tray Kit 5: SPLKIT5	Empty: NN G657.A1: A1 G657.A2: A2 G652.OM2: M2 G652.OM3: M3 G652.OM4: M4	Empty: NN SC/UPC: SC SC/APC: SA LC/UPC: LC LC/APC: LA FC/UPC: FC FC/APC: FA ST/UPC ST E2000/UPC: E2 E2000/APC: EA	Empty: NN Simplex: SX Duplex: DX Quad: QD	Empty: NN 12 Fibers: 12 24 Fibers: 24 48 Fibers: 48

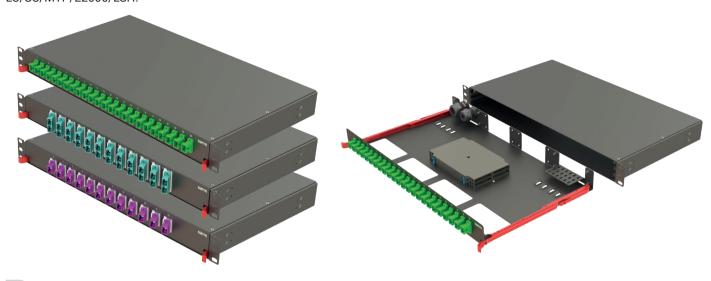


Fixed-Type Bright Series Fiber Optic Patch Panels | Rail Sliding, 1U

Fixed-Type Bright Series Rail-Sliding Patch Panel Systems are designed for termination of up to 96 optical fibers according to the selected front panel structure. These panels can be opened and closed on a plastic rail mechanism.

The panels are also available blank or pre-assembled with a wide variety of connector types up to 96 Fiber capacities.

These panels are used in telecom rooms, main distribution rooms and system rooms to terminate, distribute and manage fiber optic infrastructure in many different applications and needs with a wide variety of fiber optic adapter / connector options such as LC/SC/MTP/E2000/LSH.



Features and Benefits

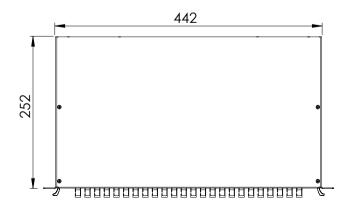
- Different cable entry options
- Special plastic rail and locking mechanism
- Robust and installer-friendly design providing reduced installation and operating costs
- Different rear cable entry options with PG16 and PG13,5 gland holes
- Screwable desing for adapters on front plates
- Patented adapter clips for angled applications
- Removable shelf design for installation easiness
- Powder-coated RAL 9000 (Black)
- Operating temperature: -20°C / +80°C

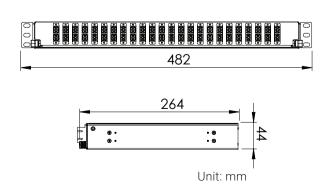
Compliance/Certifications

ISO 9001:2015 Designed, manufactured and/or distributed under this quality management system Flammability rating UL94 V-0 ROHS Compliant



Dimensions









Choose Front Panel				
Front Panels	Panel Code	Available Adapters	Order Code	
	FP07	SC Simplex 24 LC Duplex LSH Simplex	BSFXD-1U-RSV0-FP07-EMPTY	
	FP08	SC Duplex LC Quad	BSFXD-1U-RSV0-FP08-EMPTY	
	FP09	SC Simplex Angled 12 LC Duplex Angled LSH Simplex Angled	BSFXD-1U-RSV0-FP09-EMPTY	
	FP10	SC Duplex Angled LC Quad Angled	BSFXD-1U-RSV0-FP10-EMPTY	
	FP11	SC Simplex Straight LC Duplex Straight	BSFXD-1U-RSV0-FP11-EMPTY	

Order Codes for Splice Kits

Picture	Description	Order Code
	Single Splice Kits	Order Code
45 mm	Splice Tray Kit 1: 1x12F Tray + 12 Pcs of Splice Protectors Splice Tray Kit 2: 1x24F Tray + 24 Pcs of Splice Protectors	BS-SPLKIT1-12F-1T-BLK BS-SPLKIT2-24F-1T-BLK
	Group Splice Kits	Order Code
45 mm	Splice Tray Kit 3: 2x12F Tray + 24 Pcs of Splice Protectors Splice Tray Kit 4: 2x24F Tray + 48 Pcs of Splice Protectors	BS-SPLKIT3-24F-2T-BLK BS-SPLKIT4-48F-2T-BLK
	Group Splice Kits	Order Code
45 mm	Splice Tray Kit 5: 4x12F Tray + 48 Pcs of Splice Protectors	BS-SPLKIT5-48F-4T-BLK

Ordering Coding of Bright Series Patch Panel

(sample coding)

BSFXD - 1U - RSV0 - FP08 - SPLKIT04 - A2 - SC - DX - 48

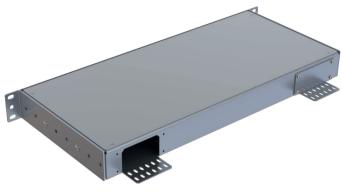
Rail System	Front Panel	Splice Kit	Fiber Type	Connector	Port Options	Fiber Count
Rail Sliding: RSV0	Panel-07: FP07 Panel-08: FP08 Panel-09: FP09 Panel-10: FP10 Panel-11: FP11	Splice Tray Kit 1: SPLKIT01 Splice Tray Kit 2: SPLKIT02 Splice Tray Kit 3: SPLKIT03 Splice Tray Kit 4: SPLKIT04 Splice Tray Kit 5: SPLKIT05	Empty: NN G657.A1: A1 G657.A2: A2 G652.OM2: M2 G652.OM3: M3 G652.OM4: M4	Empty: NN SC/UPC: SC SC/APC: SA LC/UPC: LC LC/APC: LA FC/UPC: FC FC/APC: FA ST/UPC ST E2000/UPC: E2 E2000/APC: EA	Empty: NN Simplex: SX Duplex: DX Quad: QD	Empty: NN 12 Fibers: 12 24 Fibers: 24 48 Fibers: 48



1U ATP Series Aluminium Front Patch Panels

ATP series panels are used to terminate and distribute optical fiber cables with high capacity, from 24 to 48 fibers. ATP panels are convenient equipment to organize and connect the fiber optic links, and are designed to be used in telecommunication networks. central offices, fiber optic infrastructure and on-premises fiber networks. Our fiber optic panels follow the typical rack mount standards, and they come with different kinds of optional fiber optic adapters, ports, pre-installed inner trays, accessories, and different types of pigtails





Technical Data

2000)-SX
e holders
14 mm

Characteristics

- Easy and time-saving installation
- Standard 1U 19" size
- Lightweight aluminium construction
- Drawer tilt function for easy access
- Up to 48 fibers per 1U
- 2 perforated plates integrated in the rear of the housing
- Loose tube storage area in bottom of drawer



Adapter Types























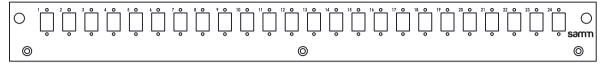






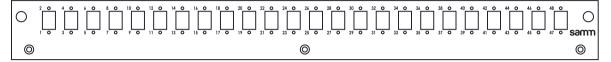
Front Panel Numbering

Panel Type P01 For SC and LSH(E2000)

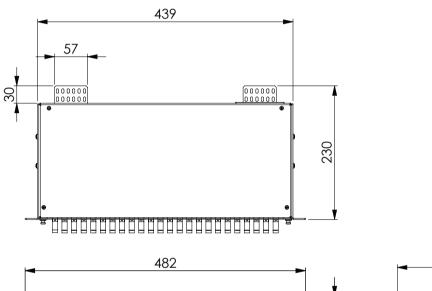


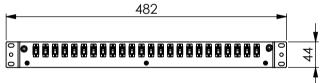
Panel Type P02 For LC-DX

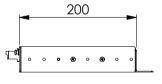
Unit: mm



Dimensions and Drawings







Unit: mm

Panel Contents

Content Details	Empty Panel Partially Loaded	SC/LSH(E2000) Fully Loaded	LC-DX Fully Loaded
Panel Body Capacity	1 PC	1 PC	1 PC
Sticky Storage and Management Clips	4 PC	4 PC	4 PC
24F Splice Modules	2 PC	2 PC	2 PC
Rack Mounting Set	1 SET	1 SET	1 SET
Cable Tie Set	1 SET	1SET	1 SET
Rear Blind Plate for one side closing	1 SET	1 PC	1 PC
Adapters Pre-assembled with screws	NONE	24 PC	24 PC
Fusion Splice Protection Sleeve 45mm	NONE	24 PC	48 PC
Pigtails (Un-assembled)	NONE	24 PC	48 PC



4U Overhead Mounting Rack Frame

4U overhead rack frame is designed to mount directly to overhead ladder racks or cable trays. Ideal for use as a Zone Distribution Area (ZDA) or Equipment Distribution Area (EDA) in data centers.

The overhead rack frame shall provide additional four rack units above a standing rack or cabinet, in order to maximize real estate utilization in data centers or telecommunication rooms. The frame works as a consolidation point, enabling flexible cabling layout as well as convenient addition of new enclosures and servers.

Used with copper patch panels or fiber enclosures, the cable tray rack can increase cabling density, improve cable routing, simplify moves, and provide custom pre-cabled connectivity for rapid deployment of new cabinets, racks, and equipment.



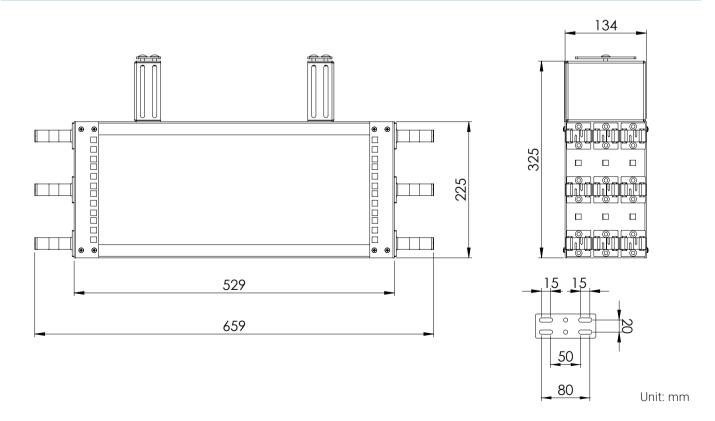


Key Features

- Applicable toladder rack mounting
- Applicable to wire mesh trays mounting
- Bottom or side mounting options to cabling structures
- Quick and easy installation
- Rapid data center deployment
- Mounting hardware and cable management included
- Epoxy Powder Paint, RAL 9005, Black



Dimensions





1U 19" Pass-Through Panel With Brush Strip (Metal)

1U Pass-Through panels with brush strip is an ideal solution for routing cables from the front of the rack to the rear. The panels can be mounted on unused rack openings to reduce bypass airflow through open spaces in racks and cabinets. Brush strips provide a barrier to airflow, while allowing cables to be passed from the front to the rear of the rack.



	•
•	

1U 19" Pass-Through Panel With Brush Strip (Metal)		
Order Code	MT09618	

19" Tool-less Blanking Panels

Blanking panels are part of the energy-saving airflow management solutions for smart data centers. They are designed to minimize bypass airflow in racks and cabinets while providing a desirable appearance.



This panel has a knob on each side to be installed and removed easily with fingers grip, and it just needs to be pushed in to snap in its fixed position.





This panel has a latch on each side to provide a more secure lock in position, and it cannot be removed without unhooking the latches sideways.





6U 19" Tool-less Snap-in Breakable Blanking Panel (Plastic) Order Code MT09616

This panel is good for closing multiple U sections together. It is made of 6 panels that can be broken apart to fit from 6 to 1 U sections, and each part can be snapped in position easily.

19" 1U Modular Cable Organizer | With 5 Snap In Rings

The new concept cable management panel with fully modular rings configuration provides flexibility in cable management. Configurations can be vertical or horizontal or can be mixed by rotating the position of the rings on housing. No tools are required for plugging the rings onto the cable management panel.





19" 1U Modular Cable Organizer | With 5 Snap In Rings
Order Code MT09614





Sandini Sanda Sand



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Create an account to receive our news, updates and discounts.

SAMM Teknoloji İletişim San. ve Tic. A.Ş. November 2021





Company

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