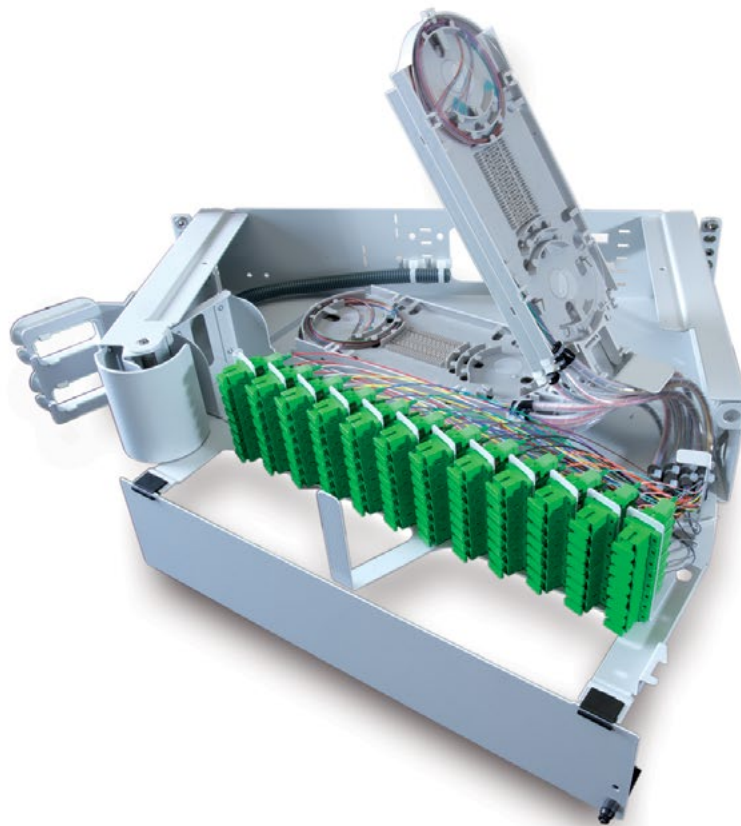


COMMScope®

19" High Density
Front Patching/Splicing Shelf
FOMS-FPS-HD Product Range



2015 ORDERING GUIDE | 2ND EDITION

Contents

1. General Product Description	4
2. Possible Configuration	
2.1 Patch Only Version	5
2.2 Splice-Patch Version	5
3. Shelf Description	6
3.1 Shelf Dimensions	7
3.2 Shelf Capacity	7
3.3 Accessories	8
3.4 Tools	9

1. General Product Description

Designed for fiber management in a rack environment, the FOMS-FPS-HD is a high density multi-purpose mechanical shelf with front patching and optional single element splicing. The compact design makes it possible to handle a large amount of fibers in a small footprint. FOMS-FPS-HD delivers carrier-class fiber management to central offices and points-of-presence, as well as FTTH, mobile and local area networks.

Two versions are available

- Patching only
- Splicing and patching to terminate loose tube, central core, IFC (intrafacility cable) and break-out cables.

2. Possible Configurations

2.1 Patch Only Version

Patch only 1HU content

Installed on the shelf

- I.D. label
- 48 pre-mounted adapters

Included in a separate kit

- 19" 1HU mounting bracket (+screws/cage nuts)
- 45° angled bracket with 1HU wraparound trumpet
- 1m Hook and loop fastener

Patch only 2HU content

Installed on the shelf

- I.D. label
- 96 pre-mounted adapters

Included in a separate kit

- 19" 2HU mounting brackets (+screws/cage nuts)
- 45° angled bracket with 2 times 1HU wraparound trumpet
- 1m Hook and loop fastener

2.2 Splice Patch Version

Splice patch - 1HU - content:

Installed on the shelf

- I.D. label
- 48 pre-mounted adapters + pigtails (12 colors) with 1.2m overlength installed in the tray, allowing 10 repair splices
- 2 times 24 splice tray + covers + wedge + Hook and loop fastener
- Flex tube (inner \varnothing 6.2 mm; outer \varnothing 10.0mm length 650mm \pm 5mm)

Included in a separate kit

- 19" 1HU mounting brackets (+screws/cage nuts)
- 45° angled bracket with 1HU wraparound trumpet
- 1 piece Hook and loop fastener (~120mm \pm 5mm)
- Cable termination kit (strength member + inbus + screw + washer, axial pull device, 2 tie-wraps, foam strip 15x1x40mm)
- Tie-wraps: 20 pieces
- Foam strip: 15x1x200mm

Splice patch - 2HU - content:

Installed on the shelf

- I.D. label
- 96 pre-mounted adapters + pigtails (12 colors) with 1.2m overlength installed in the tray, allowing 10 repair splices
- 4 times 24 splice tray + covers + wedge + Hook and loop fastener
- Flex tube (inner \varnothing 9.6mm; outer \varnothing 13.0mm; length 530mm \pm 5mm)

Included in a separate kit

- 19" 2HU mounting brackets (+screws/cage nuts)
- 45° angled bracket with 2 times 1HU wraparound trumpet
- 2 pieces hook and loop fastener (~120mm \pm 5mm)
- Cable termination kit (strength member + inbus + screw + washer, axial pull device, 2 tie-wraps, foam strip 15x1x40mm)
- Tie-wraps: 20 pieces
- Foam strip: 15x1x200mm
- Edge protection: 140mm

3. Shelf Description

Chassis and pivoting bottom plate

The FOMS-FPS-HD chassis are ready to be fitted inside an optical rack using mounting brackets, screws and cage nuts. The chassis width is designed according to the 19" standard. Adaptation brackets to ETSI are available as an option. All chassis are painted (color RAL 7035).

Cable termination kit

A strength member fixation and cable entrance kit are included in the standard shelf to terminate loose tube single fiber or intra-facility cable.

Shelf roof

The roof of the shelf can easily be removed to facilitate internal access before the shelf is installed in a rack.

Mounting brackets

The shelf has field-mountable brackets to accommodate for:

- back-mounting specifically for CommScope's FIST racks
- 2 other different back mounting positions
- 3 different front mounting positions (see installation instructions)

A small tool (Allen key 2.5mm) is included to fix the brackets on the shelf.

Front patch panel

The patching module plane is right or left angle oriented to reduce the risk of eye damage when working with active fiber. This also prevents the outgoing patch cords from making strong bends when leaving the shelf.

Patching-only configuration

1HU

Patch cords enter the shelf on the side and are guided towards the back of the patch panel via overlength storage basket which controls the bend radius. Patch cords connected at the front of the patch panel leave the shelf in a controlled way via the integrated bend control and the wrap-around trumpet. Adaptors are typically pre-mounted.

Caution: The 1HU patch/patch shelf doesn't support front pigtail entrance (not enough space to install a pigtail bridge)

2HU

Patch cords enter the shelf via the front, the side or the back and are guided towards the back of the patch panel via overlength storage basket that controls the bend radius. Patch cords connected at the front of the patch panel leave the shelf in a controlled way via the integrated bend control and the wrap-around trumpet. Adaptors are typically pre-mounted.

Splicing and patching configuration

Loose tube or intra-facility cables (IFC) enter via the side or back of the shelf and are guided towards the splicing trays. In case of a loose tube cable and a non pre-connectorized IFC, fibers have to be spliced to secondary coated pigtails in the splicing trays and then guided towards the back of the patch panel. In case of a pre-connectorized IFC, overlength is stored in a basket.

Patch cords connected at the front of the patch panel leave the shelf in a controlled way via the integrated bend control and the wrap-around trumpet. Secondary coated pigtails are typically pre-installed in the shelf. The tray tower can be pivoted to improve accessibility for splicing.

19" High Density Front Patching/Splicing Shelf

3.1 Shelf Dimensions

Measurements	19" Chassis Standard 1HU Version	2HU Version
Width (with/without mounting brackets)	481 / 444mm	481 / 444mm
Height	44 mm	88 mm
HU-Height Units	(requires 1x19" HU)	(requires 2x19" HU)
Depth	280mm	280mm

Note: A HU is a "height unit". Refer to rack documentation for more details.

3.2 Shelf Capacity

Description	FOMS-FPS-HD Splice & Patch	Patch Only
Number of FOOSC A splicing trays	2 or 4 for 1HU	NA(b)
	4 or 8 for 2HU	
FOOSC A splicing tray capacity	12 or 24	NA
Incoming cable	2	NA
Patch panel capacity (1HU / 2HU)	48/96	48/96
Patch cord length inside the shelf – from the trumpet till the back side of the patch panel (a)	N/A	0.50-0.90m
Patch cord length inside the shelf – from the trumpet till the front side of the patch panel (a)	0.06-0.40m	0.06-0.40m

(a) This patch cord length is measured for the open shelf to allow access after installation.

(b) 1 optional tray possible for repair splices

19" High Density Front Patching/Splicing Shelf

3.3 Accessories

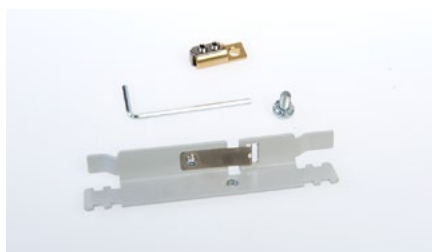
Adaptation Brackets



FOMS-FPS-O-MB2-M - FIST-MB2-2HU-M



FIST-GS-FLEX-7-50 - FIST-GS-FLEX-10-50



FOMS-FPS-HD-CT-B-1



SMOUV-1120-02-PK

Ordering Information

Description		Quantity/Pack	Part Number
ETSI mounting brackets (for 1HU)	These brackets allow the installation of this 19" shelf in an ETSI rack.	1 kit	FOMS-FPS-O-MB2-M
ETSI mounting brackets (for 2HU)		1 kit	FIST-MB2-2HU-M
Flexible tubing (internal Ø 6.2mm)	Flexible tubing with inside diameter of 6.2mm, needed when terminating a loose tube cable in a rack.	50m	FIST-GS-FLEX-7-50
Flexible tubing (internal Ø 10.0mm)	Flexible tubing with inside diameter of 10mm, needed when terminating a loose tube cable in a rack.	50m	FIST-GS-FLEX-10-50
Extra axial pull kit 2nd cable	Additional axial pull kit. Used to terminate a 2nd cable	1 pieces	FOMS-FPS-HD-CT-B-1
45mm long heat-shrinkable splice protection sleeve	45mm long heat-shrinkable splice protection sleeves	100 pieces	SMOUV-1120-02-PK

* For additional trumpet brackets, contact your local sales engineer

3.4 Tools



Cage nut tool



Long Allen key

Ordering Information

Description		Part Number
Cage nut tool	Tool to install cage nuts in the rack.	FACC- CAGE- NUT- TOOL
Long Allen key	Allen key, diameter 5mm, length 350mm for back mounting of shelves in rack.	FACC- ALLEN- KEY- 5 - 350



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CA-321606-1EU (11/15) [Revised from OG/FOMS-FPSHD/2/07/12]