# FHD Optic Wall Mount Enclosure

Designed to provide a convenient convergence point for interconnecting and splicing in wall mount applications.



## Wall Mount Enclosure

FHD Fiber Optic Wall Mount Enclosures can be used as an interconnect or cross-connect in any telecommunications room and can use FHD series fiber adapter panels and cassettes (exclude 36F). Enclosures are designed to manage and organize fiber distribution in areas where space is limited.

## Standards Compliance

• TIA/EIA-568-C.3
• RoHS Compliant
• ISO9001 Certificate

## Features

• Dual doors with slam latch for ease of access.
• Optional key/lock kit secures service-side door or customer-side doors.
• Accepts FHD series adapter panels, MTP cassettes (exclude 36F), and splice trays for multiple solution capabilities.
• Removable cable entry/exit grommets allow for pre-terminated fiber trunk install, cable protection, and minimizes dust build-up.
• Ensure signal integrity, proper cable routing, bend radius control and cable protection.

| Product Specifications | |
| --- | --- |
| Capacity | 2 Ports |
| Fiber Count | Max. 48 Fibers |
| Enclosure Type | Wall-mountable |
| Material | SPCC (Black Coating) |
| Dimensions (HxWxD) | 10.2"x13.0"x2.3" (259.6x330.6x59.1mm) |
| Installation | FHD Series FAPs and Cassettes (Exclude 36F) |

| Environmental Characteristics | |
| --- | --- |
| Operating Temperature | -25℃ to 50℃ |
| Storage Temperature | -40℃ to 65 ℃ |
| Installation temperature | 0℃ to 50℃ |

## Assembly Structure Illustration

Strain Relief Bracket

Grommet

Key / Lock

Slack Spool

Fiber Adapter Panel
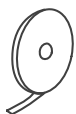(2pcs sold separately)
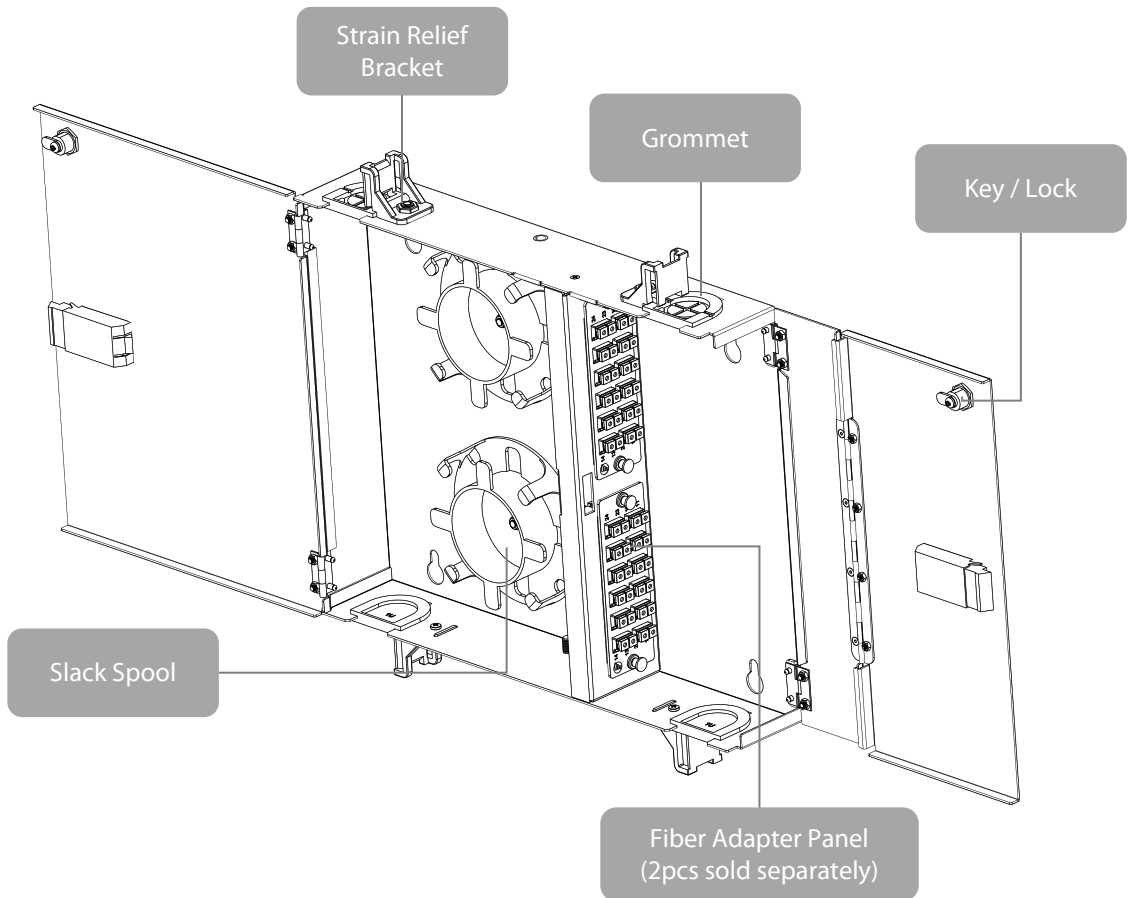
## Accessories List
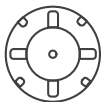
Slack Spool x2

Grommet x4

Strain Relief Bracket x4

Cable Tie x2

M4*8 Screw x6 and M4 Nut x10

Location Label x1

Key x2

Screwdriver x1

## Fiber Enclosure Loading List

### I. Fiber Adapter Panel

| Description | #ID (OS2) | #ID (OM4) |
| --- | --- | --- |
| 24F, 12x LC Duplex Fiber Adapter Panel | #35488 | #51284 |
| 12F, 6x SC Duplex Fiber Adapter Panel | #35484 | #41998 |
| 12x MTP Key Up to Key Down Fiber Adapter Panel | #35510 | #35510 |
| 8x MTP Key Up to Key Up Fiber Adapter Panel | #52022 | #52022 |
| 6-Port FHD Multimedia Modular Panel with 6x Plastic Clips | #66602 | #66602 |

### II. Splice Tray

| Description | Fiber Count | #ID |
| --- | --- | --- |
| 24F, Fusion Splice Tray, Plastic, 6.26"x4.13"x0.72" | 24F | #28774 |
| 12F, Fusion Splice Tray, Plastic, 6.42"x3.96"x0.69" | 12F | #28773 |
| Splice Tray Holder for FHD Wall Mount Enclosure | N/A | #73717 |

### III. MTP/MPO Cassette

| Description | #ID (OS2) | #ID (OM4) |
| --- | --- | --- |
| 8F, MTP-8 to 4x LC Duplex Cassette | #68401 | #68402 |
| 12F, MTP-12 to 6x LC Duplex Cassette, Type A | #57016 | #57017 |
| 12F, MTP-12 to 6x LC Duplex Cassette, Type AF | #57037 | #57038 |
| 24F, 2x MTP-12 to 12x LC Duplex Cassette, Type A | #57341 | #57342 |
| 24F, 2x MTP-12 to 12x LC Duplex Cassette, Type AF | #68540 | #68541 |
| 24F, MTP-24 to 12x LC Duplex Cassette, Type A | #57023 | #57024 |
| 24F, MTP-24 to 12x LC Duplex Cassette, Type AF | #68549 | #68550 |

* MTP is a registered trademark of US Conec Ltd.

* The US Conec MTP connectors are fully compliant with the MPO standards.

# Product Application

## I. Patch Cord Connections
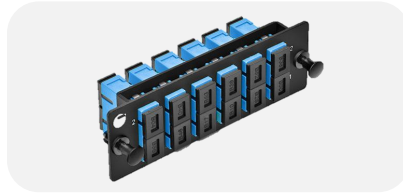
① ② ③

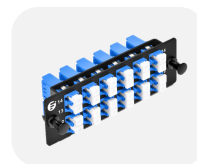| Item No. | #ID | Description |
|:---:|:---:|:---:|
| 1 | #40234 | 1m (3ft) SC UPC to SC UPC Duplex Single Mode Fiber Patch Cable |
| 2 | #35484 | 6x SC Duplex, 12 Fibers OS2 Single Mode FHD Fiber Adapter Panel |
| 3 | #50550 | FHD Fiber Optic Wall Mount Enclosure, 2-Door 2-Adapter Panel |

## II. Fiber Optic Splicing

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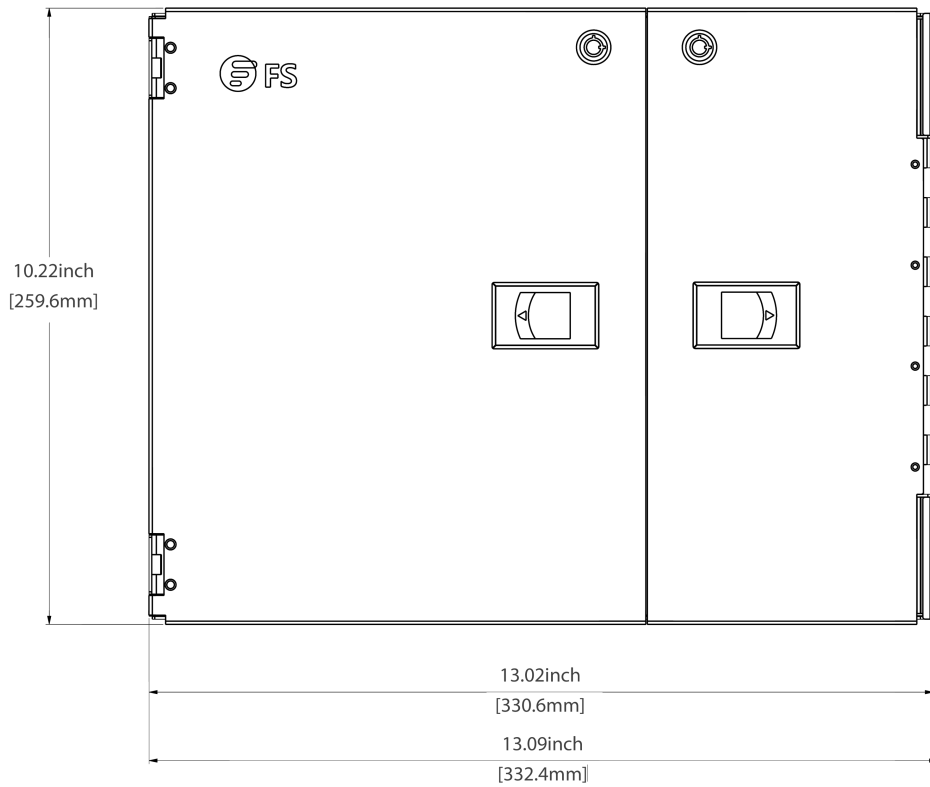| Item No. | #ID | Description |
|:---:|:---:|:---:|
| 1 | #42529 | 1m (3ft) 12 Fibers LC/UPC 9/125 Single Mode Color-Coded Fiber Optic Pigtail |
| 2 | #28774 | 24 Fibers Fusion Splice Tray, Plastic, 6.26"x4.13"x0.72" |
| 3 | #73717 | Splice Tray Holder for FHD Wall Mount Enclosure |
| 4 | #50550 | FHD Fiber Optic Wall Mount Enclosure, 2-Door 2-Adapter Panel |
| 5 | #35488 | 12x LC Duplex, 24 Fibers OS2 Single Mode FHD Fiber Adapter Panel |
| 6 | #68294 | 1m (3ft) Grade B LC UPC to LC UPC Duplex OS2 Fiber Patch Cable |

## III. MTP Cabling Management

① ② ③ ④ ⑤

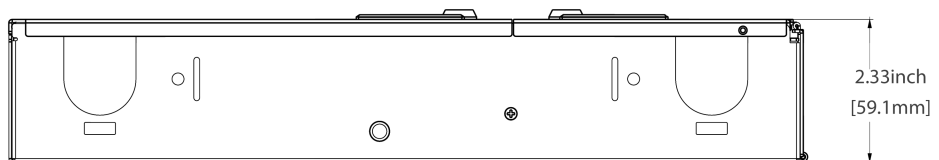| Item No. | #ID | Description |
|----------|-----|-------------|
| 1 | #68294 | 1m (3ft) Grade B LC UPC to LC UPC Duplex OS2 Fiber Patch Cable |
| 2 | #57341 | 2x MTP-12 to 12x LC Duplex, Type A, 24 Fibers OS2 FHD MTP/MPO Cassette |
| 3 | #68102 | 5m (16ft) MTP Female 12 Fibers OS2 9/125 Single Mode Trunk Cable, Type A |
| 4 | #68540 | 2x MTP-12 to 12x LC Duplex, Type AF, 24 Fibers OS2 FHD MTP/MPO Cassette |
| 5 | #50550 | FHD Fiber Optic Wall Mount Enclosure, 2-Door 2-Adapter Panel |

**Note:**

The basic application and matching products for wall mount enclosures are shown for reference.

## Product Specifications

### Front View

10.22inch
[259.6mm]

13.02inch
[330.6mm]

13.09inch
[332.4mm]

### Top View

2.33inch
[59.1mm]

Dimensions are in inches. (Dimensions in parentheses are in millimeters).

United Kingdom

Russia

Germany

China

Singapore

Australia

United States

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