# HD Fusion Fiber Wall Mount Splice Enclosure

PANDUIT®
SPECIFICATION SHEET

## SPECIFICATIONS

The fiber optic splice enclosure shall house, organize, manage and protect cable to cable fusion splice connections. It shall accommodate medium to large count fiber optic cables typically coming in from outside of the building transitioning to often smaller count cables within the data center. Splice trays can accommodate individual or ribbon fibers.



**FWMHSSGS-6912**

## TECHNICAL INFORMATION

| | |
|---|---|
| ***Part numbers:*** | FWMHSSG-864: fiber wall mount hyperscale splicing solution Gray, with single hinge door – 864 fibers<br>FWMHSSGS-3456: fiber wall mount hyperscale splicing solution Gray, with split doors – 3,456 fibers<br>FWMHSSGS-6912: fiber wall mount hyperscale splicing solution Gray, with split doors – 6,912 fibers<br>*For 3456 only, replace the "G" with a "W" for White* |
| ***Mounting:*** | Wall-mountable using 5/16" or M8 hardware<br>Overhead mounting using M10 threaded rod<br>Freestanding on floor using M10 leveling legs<br>Cabinet/rack mountable using 12-24 or M6 hardware (FWMHSSG-864 only) |
| ***Materials:*** | Steel and plastic |
| ***Dimensions W x H x D:*** | FWMHSSG-864: 17.4 in. x 36 in. x 15 in. (444.9mm x 914.4mm x 381.0mm)<br>FWMHSSGS-3456: 24 in. x 36 in. x 15 in. (609.6mm x 914.4mm x 381.0mm)<br>FWMHSSGS-6912: 48 in. x 36 in. x 15 in. (1219.2mm x 914.4mm x 381.0mm) |

## KEY FEATURES AND BENEFITS

| | |
|---|---|
| ***Rotatable splice trays:*** | Splice trays have the ability to rotate to be easily viewed, even when fully populated |
| ***Convenient work surface storage:*** | Work surface stores on door when not in use, and easily removable to install onto enclosure |
| ***Tool-free door removal:*** | Doors remove/install without tool; integrated document holder |
| ***Adjustable cable management:*** | Cable management has the ability to shift left/right to provide additional workspace if needed |
| ***Removable cable plates:*** | Cable plates are removable to provide additional access into enclosure during building |
| ***Multiple cutouts:*** | Cover plate with 22.5mm, 51mm and 64mm cutouts* |
| ***Secure fiber ingress and egress:*** | Four cable gland accessory sizes for secure fiber ingress and egress** |
| ***Rotatable cable plates:*** | Cable plates have the ability to rotate 180 degrees, and move top/bottom or side/side to find correct cable entry/exit points |
| ***Grounded and bonded structure:*** | Enclosure structure and doors are integrally grounded/bonded |
| ***“Pay as you grow”:*** | Multiple enclosures can be ganged together horizontally/vertically to “pay as you grow” |
| ***Additional storage:*** | Optional storage box can be mounted to the top or bottom of enclosure to store unused fiber for future use*** |

*FWMHSSG-864 cover plate features 22.5mm, 51mm and 1.5" x 5" cool boot cutout

**FWMHSSG-864 has two gland sizes, 22.5mm and 51mm only

***For FWMHSSGS-3456 and FWMHSSGS-6912 only

## APPLICATIONS

As large fiber count cables enter the data center, a need for fiber distribution products to manage these cables has become apparent. Cables are spliced to take medium-to-large fiber count cables and break them down into manageable fiber count cables and/or to transition them into cable types that are appropriate for use inside the data center. Data centers deploy several different solutions for this to be accomplished.

Below are some application examples:

- Building entrance facility/meet me room
- Data center
- Hyperscale and co-location
- Telecommunications

# HD Fusion Fiber Wall Mount Splice Enclosure

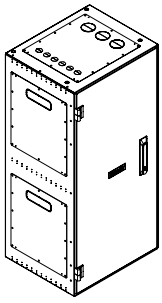
## FIBER CAPACITY

| Part Number | Description | Individual Fibers | Ribbon Fibers |
|---|---|---|---|
| **FWMHSSG-864** | Fiber wall mount hyperscale splicing solution Gray, single door – 864 fibers | 288 | 864 |
| **FWMHSSGS-3456** | Fiber wall mount hyperscale splicing solution Gray, split doors – 3,456 fibers | 1,152 | 3,456 |
| **FWMHSSGS-6912** | Fiber wall mount hyperscale splicing solution Gray, split doors – 6,912 fibers | 2,304 | 6,912 |

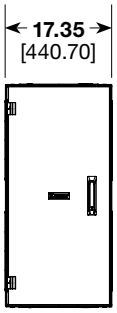
(Also available in White – replace the "G" in the part number with a "W" for White) *for 3456 only

## ENGINEERING DRAWINGS

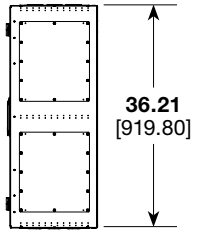
**FWMHSSG-864**



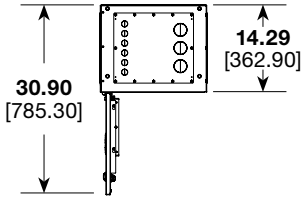
Isometric View




Front View

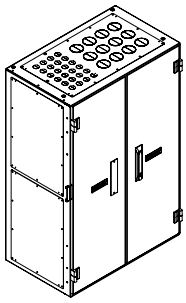



Side View

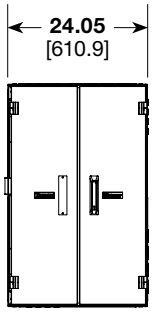



Top View

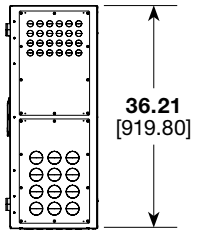
**FWMHSSGS-3456**



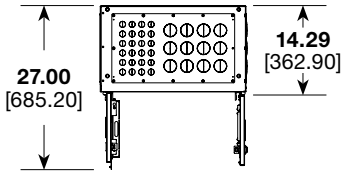
Isometric View




Front View

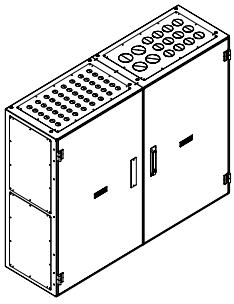



Side View

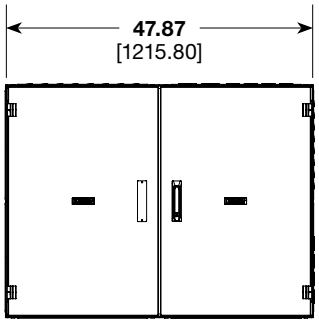



Top View

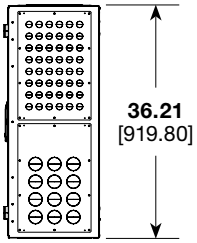
**FWMHSSGS-6912**



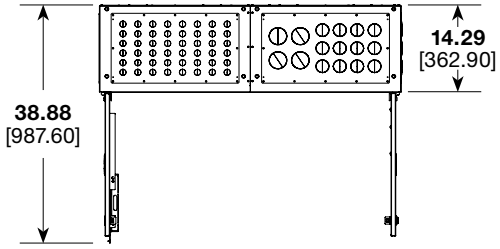
Isometric View




Front View




Side View




Top View

**Dimensions are in inches.** [Dimensions in brackets are metric].

## ACCESSORIES TO BE PURCHASED SEPARATELY

| Part Number | Description |
|---|---|
| **FST144R** | Splicing tray for ribbon fibers up to 144. |
| **FST48** | Splicing tray for single fiber up to 48. |
| **FWMHSS*-ICB** | Incoming cable bracket to secure/support cables and routing within our splicing enclosures. |
| **FWMHSS-CG613** | Cable gland handling cable sizes 6mm - 13mm. Required cutout diameter of 22.5mm (7/8"). |
| **FWMHSS-CG1321++** | Cable gland handling cable sizes 13mm - 21mm. Required cutout diameter of 32mm (1 1/4"). (For 3456 and 6912 only) |
| **FWMHSS-CG2135** | Cable gland handling cable sizes 21mm - 35mm. Required cutout diameter of 51mm (2"). |
| **FWMHSS-CG3448** | Cable gland handling cable sizes 34mm - 48mm. Required cutout diameter of 64mm (2 1/2"). (For 3456 and 6912 only) |
| **FBKSL-M05-KIT** | Breakout sleeve kit (24 sleeves) to secure the cable within the enclosure. |
| **SE25PSC-TR0** | Fray resistant expandable sleeving. |
| **FWMHSS-ICAK** | Incoming cable anchor kit. |
| **ACGK** | Armored cable grounding, armored cable grounding kit, #10 mech clamp. |
| **FWMHSS*-GROUND** | Ground kit. |
| **FWMHSS*-STOR** | Cable storage box. (For 3456 and 6912 only) |
| **FLEX-CM12C** | HD Flex Rear Cable Manager. (also compatible with the FWMHSS) |
| **FWMHSS*-12X32** | Top and Side Cover Kit with Qty-12: 32mm holes. (For 3456 and 6912 only) |

*Replace the asterisk (*) with Gray (G) or White (W)

++Requires addition Panduit Part number FWMHSS*-12X32 plate to fit this size cable gland

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