

## specifications

HD Fusion Fiber Splice Enclosure shall house, organize, manage and protect the delicate fusion splice connections. It shall accommodate large count fiber optic cables and serve as the demarcation point between outside plant cables and indoor distribution cables. The HD Fusion Fiber Splice Enclosure shall be designed to be mounted in a 4 RU rack space and shall have the capacity to store/splice 576 single fibers or 1728 ribbon fibers. Large count fiber optic cables shall be comprised of a multitude of fibers which can be individual or arranged as ribbons.



## 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 large fiber count cables and break them down into manageable fiber count cables and/or to transition them into cable types that are required for use inside the data center (this must be done within 50' after outside cable is brought into the data center). Data centers deploy several different solutions to accomplish this. The rack mount enclosure is the smallest option for splicing and is designed to fit in existing 19" TIA racks. This option allows for a modular deployment of a splicing solution, also known as "Pay as You Grow." The desired splicing density for this solution matches that of the wall mount and splice cabinet, but with a lower capacity due to the smaller footprint of the enclosure.

## technical information

<b>Part number:</b>	FRMHSS-4RU
<b>Mounting:</b>	Integral mounting flange for installation in 19" wide EIA-310 racks
<b>Material:</b>	Steel and plastic
<b>Accessory parts:</b>	FST144R – splicing tray for 144 ribbon fibers FST48 – splicing tray for single fiber – up to 48 fibers per tray

## key features and benefits

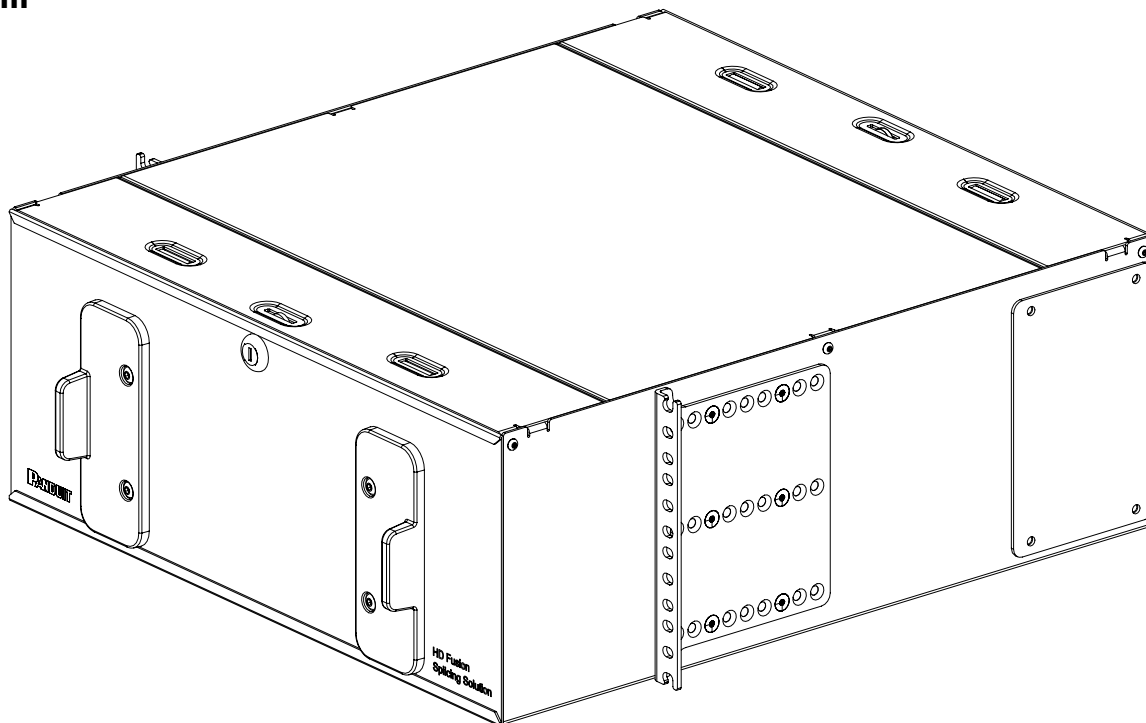
<b>Cable organization:</b>	The cables inside are organized such that any splicing tray can be removed without disturbing the cabling for the other splicing trays.
<b>Versatile access:</b>	The splicing trays can be accessed from the front or the back of the enclosure. Cable entry can be accessed on the right or the left of the enclosure.
<b>Rotational capabilities:</b>	The rotational characteristic of the splice trays allows the user to easily sort through the splice trays
<b>Removable panel doors:</b>	The removable panel doors (rear and front) serve as holding surfaces for the splice trays
<b>Panel doors double as a holding surface:</b>	The upper latches of the removable panel doors are designed to be inserted into the cutouts in the sliding tray, so that the removable panel can be attached to the sliding tray and serve as a holding surface for a splicing tray. The front of the sliding tray also includes cutouts, so that the front removable panel can also be used as a holding surface, in a scenario where the sliding tray is pulled out the front.

# HD Fusion Fiber Splicing Enclosure

## fiber capacity

	Single Fiber	Ribbon Fiber
4RU Rack Enclosure	Up to 576 fibers	Up to 1728 fibers

## diagram



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