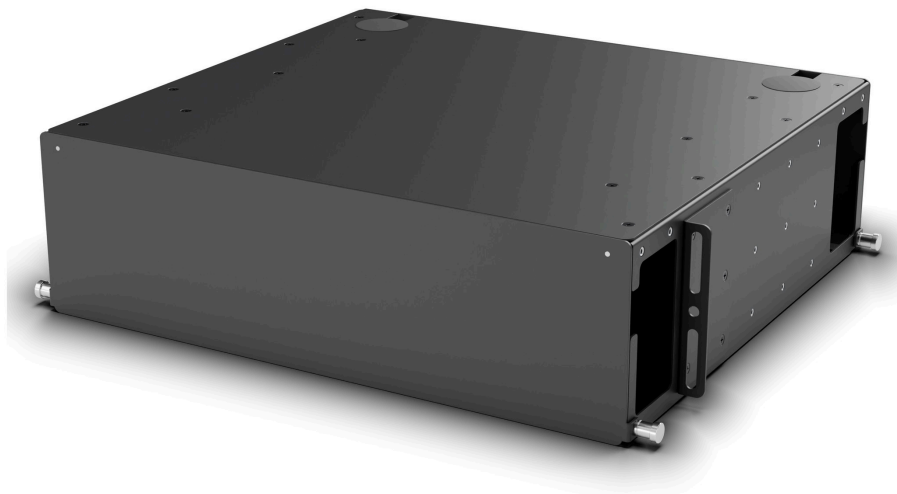


HD3US Splice Tray Enclosure

3U rack mount · 6 sliding molded splice trays · Splice-only · Made in USA



HD3US with front door closed.

OVERVIEW

A dedicated 3U splice enclosure with six sliding trays

The One Optics HD3US is a 3U rack mount enclosure built only for splicing. Six molded splice trays ride on their own rails in two shelves of three, and each tray slides out the front by itself, so you can splice on one tray without disturbing the others.

It shares the HD3U's 3U chassis footprint, magnetic doors and rack ears, but it carries no adaptor plates and no pigtails: the whole enclosure is given to the tray stack, with routing guides on every tray for slack storage. Cable enters at the rear, and the lid has two 1.5 in pass-throughs. One HD3US splices for up to six 288F HD3U panels, one per tray, as their ribbon pigtails drop out through the HD3U's 1.5 in knockouts. The HD3US ships in one standard configuration.

3U 19 in
RACK MOUNT**6x**
SLIDING SPLICE
TRAYS, 2 SHELVES
OF 3**1,728F**
TOTAL CAPACITY ·
288F PER TRAY**2x**
1.5 IN LID PASS-
THROUGHS**2**
MAGNETIC DOORS,
FRONT + REAR**USA**
MADE IN USA

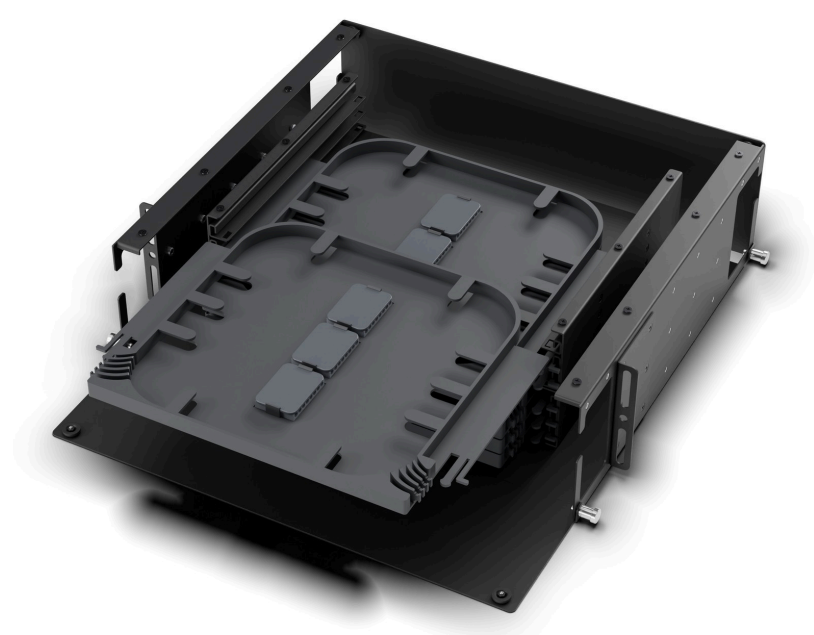
FEATURES & APPLICATIONS

- ✓ **19 in rack mount, 3U:** 5.20 in H x 17.70 in W x 16.06 in D [132.0 x 449.6 x 408.0 mm]; 19.01 in [482.8 mm] W with rack ears
- ✓ **Six sliding molded splice trays** on individual rails, in two shelves of three
- ✓ **Made in USA**
- ✓ Each tray pulls out the front on its own for splicing access
- ✓ Molded plastic trays with routing channels and retaining fingers for slack storage
- ✓ Removable magnetic front and rear doors with spring-loaded hinge pins
- ✓ Removable one-piece lid with two 1.5 in [38.1 mm] pass-throughs, dome plugs fitted
- ✓ Rear cable entry
- ✓ 16 ga galvalume steel chassis, powder coated
- ✓ Remote splicing for up to six 288F HD3U panels
- ✓ **Applications:** high-count splice points in data center and enterprise racks; remote splicing for HD3U panels

**Front access.** Front door down, top tray pulled out on its rails for splicing.

CONFIGURATION

Six trays. One at a time.



Lid removed: the tray stack on its rails, top tray pulled out.

Drop the magnetic front door and slide out the tray you need. The other five stay put on their rails, so finished splices are never handled while you work.

TRAYS	6 sliding molded splice trays, 2 shelves of 3
TRAY CAPACITY	288 fibers per tray
TOTAL CAPACITY	1,728 fibers (6 trays x 288)
TRAY SIZE	13.60 x 10.50 x 0.65 in [345.5 x 266.8 x 16.5 mm]
TRAY MATERIAL	Black ABS+PC, molded
ACCESS	Front and rear doors, removable lid, sliding trays
CABLE ENTRY	Rear; 2x 1.5 in [38.1 mm] lid pass-throughs



REAR

Six HD3U (6 x 288 = 1,728 ports) on two 9U brackets fully populate one HD3US (6 trays x 288F = 1,728F). Rear: lids and rear panels off, ribbon pigtails drop through the 1.5 in pass-through knockouts, one HD3U per tray. Front: HD3US door open, one tray slid out.

FRONT

Splice for up to six HD3U panels

The HD3U has 1.5 in pass-through knockouts that let its ribbon pigtails drop out to splice remotely. Mount the HD3US below the HD3U panels and splice each 288F HD3U on its own tray: one HD3US serves up to six HD3U panels (6 x 288F = 1,728F). The HD3U then handles patching only, with ribbon pigtails or adaptors only.

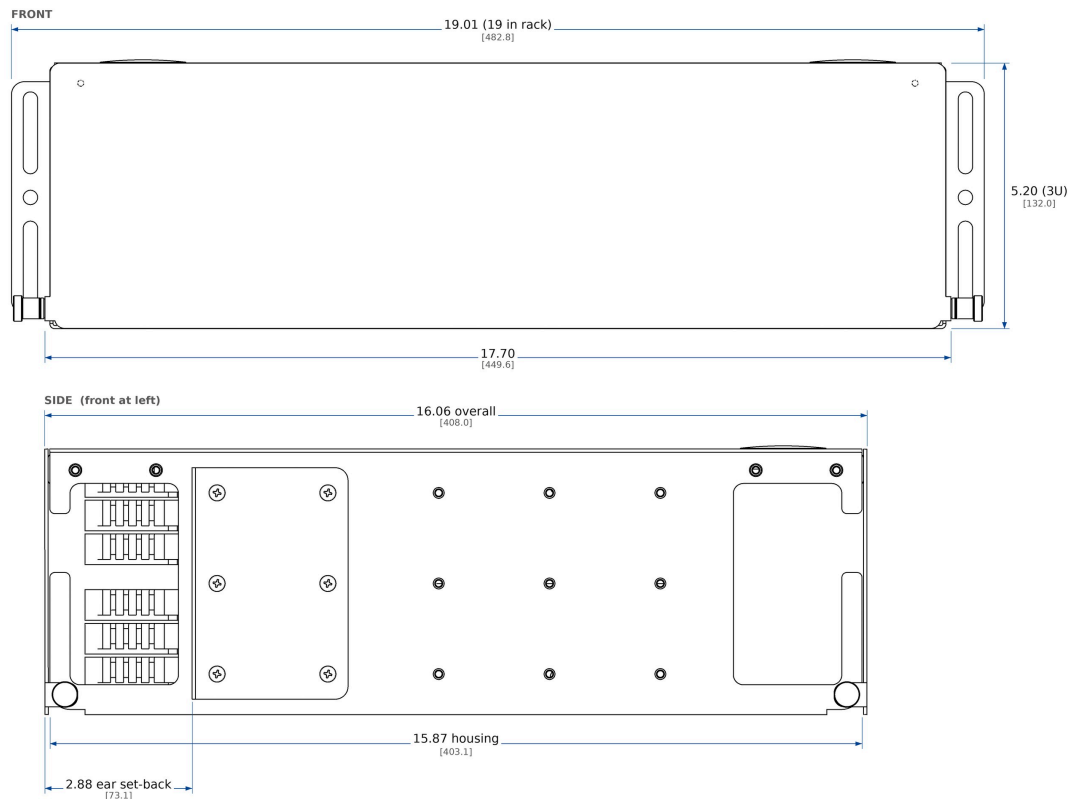
One configuration

The HD3US ships one way: chassis, six molded splice trays on their rails, front and rear magnetic doors, lid with dome-plugged pass-throughs and rack ears. There are no build options to choose. It is splice-only, with no adaptor bulkhead and no pigtails.



Rear view, closed: rear cable entry and lid pass-throughs.

DIMENSIONS



Front and side views, doors closed. Dimensions in inches [mm]. Height is to the top of the lid; the pass-through dome plugs add 0.06 in [1.6 mm].

ENCLOSURE SPECIFICATIONS

Rack units	3U, 19 in rack mount
Dimensions (H x W x D)	5.20 x 17.70 x 16.06 in [132.0 x 449.6 x 408.0 mm]
Width, rack ears	19.01 in [482.8 mm]
Depth, housing	15.87 in [403.1 mm]
Material	16 ga galvalume steel, powder coated
Origin	Made in USA
Lid	Removable, one piece; 2x 1.5 in [38.1 mm] pass-throughs with dome plugs

Trays	6 sliding molded splice trays, 2 shelves of 3
Tray capacity	288 fibers per tray
Total capacity	1,728 fibers (6 trays x 288)
Tray size	13.60 x 10.50 x 0.65 in [345.5 x 266.8 x 16.5 mm]
Tray material	Black ABS+PC, molded
Doors	Front and rear, magnetic, removable
Fiber access	Front and rear doors, removable lid, sliding trays
Cable entry	Rear
Weight	Approx. 32 lb [14.3 kg] with 6 trays

REMOTE-SPLICE STACKS

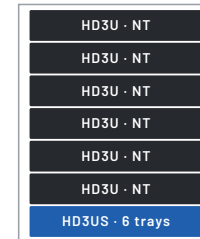
Splice for six HD3U panels in one HD3US.

Order the HD3US on its own, with paired HD3U -NT panels, or as a remote-splice stack in one part number: HD3U panels with ribbon singlemode pigtails and no splice trays (-NT builds), stacked over HD3US splice-only enclosures, one HD3US for every six HD3U. Pigtails drop through the 1.5 in [38.1 mm] pass-through knockouts into the HD3US trays, one 288F tray per HD3U.

STACK CONFIGURATIONS

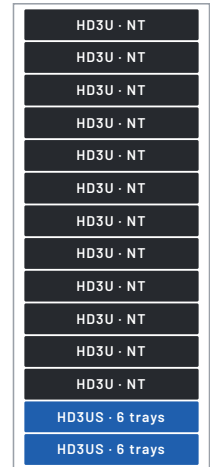
PART NUMBER	HD3U	HD3US	TRAYS	RACK	FIBERS
HD21U-R-LC-1728	6x 288F LC	1	6	21U	1,728
HD42U-R-LC-3456	12x 288F LC	2	12	42U	3,456
HD21U-R-SC-864	6x 144F SC	1	6	21U	864
HD42U-R-SC-1728	12x 144F SC	2	12	42U	1,728

HD21U · 21U



6x HD3U over 1x HD3US

HD42U · 42U



12x HD3U over 2x HD3US

Rack elevations. HD3U panels (dark) over HD3US splice enclosures (blue).

ORDERING

PART NUMBER	DESCRIPTION	PRICING
HD3US	3U splice-only enclosure, one standard configuration: 6 sliding molded splice trays (288 fibers per tray, 1,728 fibers total) in 2 shelves, front and rear magnetic doors, removable lid with 2 pass-throughs, rack ears. No adaptor plates or pigtails. Splices for up to six 288F HD3U panels.	Contact sales
HD21U-R-LC-1728	Remote splice stack, 1,728F: 6x HD3U with 288-port LC/UPC plates and ribbon singlemode pigtails, over 1x HD3US with 6 black splice trays.	Contact sales
HD42U-R-LC-3456	Remote splice stack, 3,456F: 12x HD3U with 288-port LC/UPC plates and ribbon singlemode pigtails, over 2x HD3US with 6 black splice trays each.	Contact sales
HD21U-R-SC-864	Remote splice stack, 864F: 6x HD3U with 144-port SC/UPC plates and ribbon singlemode pigtails, over 1x HD3US with 6 black splice trays.	Contact sales
HD42U-R-SC-1728	Remote splice stack, 1,728F: 12x HD3U with 144-port SC/UPC plates and ribbon singlemode pigtails, over 2x HD3US with 6 black splice trays each.	Contact sales
HD3U-R-LC-288-NT	HD3U panel, 288F: 12x 24-port LC/UPC plates and ribbon singlemode pigtails, no splice trays; splices in an HD3US.	Contact sales
HD3U-R-SC-144-NT	HD3U panel, 144F: 12x 12-port SC/UPC plates and ribbon singlemode pigtails, no splice trays; splices in an HD3US.	Contact sales

HOW TO READ THE PART NUMBER

ENCLOSURE / STACK

HD3US = 3U splice-only enclosure, 6 trays

HD21U = 21U: 6x HD3U over 1x HD3US

HD42U = 42U: 12x HD3U over 2x HD3US

APC: replace LC with LA or SC with SA in the same code, e.g. HD3U-R-LA-288-NT or HD21U-R-LA-1728.

BUILD / CONNECTOR

R = ribbon singlemode pigtails · **-NT** = no splice trays

LC = LC/UPC · **LA** = LC/APC · **SC** = SC/UPC · **SA** = SC/APC

COUNT

Fibers per HD3U panel (288 LC, 144 SC)
or per stack (total)

Contact sales for pricing. Test data and certificate of conformance available on request. Specifications subject to change. Rev A · 2026-10.