High Density Patch Panel

PRECISION
OPTICAL TECHNOLOGIES

1RU Rack Mount – HD Tray/Cassette with 144F Capacity

Description:

High density rack-mount patch panel for datacenter space and SAN's. Ideal network solution with great compatibility for interconnect and cross-connect between active equipment in switches/switch tiers and servers within the data center. Offers high density integration of splitter, splice, WDM cassettes with convenient cable management and accessibility.

Features:

- Compact & modular slide-out tray/cassette design
- High density 144F capacity to maximize rack space
- Easy access and installation of cassettes & fiber connections, with fiber routing in one or each direction
- Magnetic latch door with ID chart for port connectivity identification
- Front and rear fiber management
- Lightweight aluminum chassis with 6 cassette capacity and locking pins for each tray
- Variety of cassette configurations with LC, SC, MPO connectorization as splice, splitter, breakout, and mux/demux capability
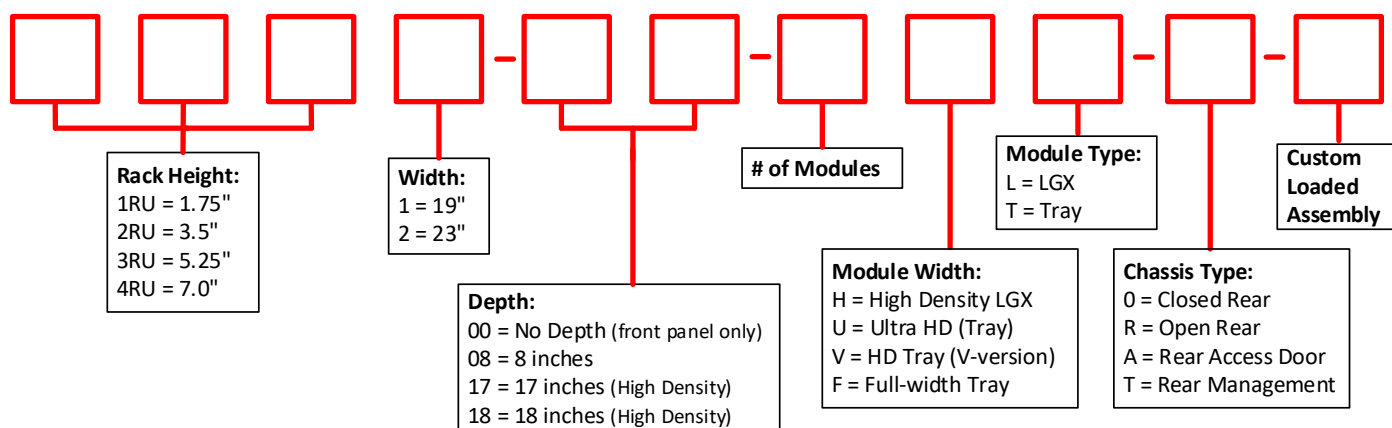
Accessories:

- Standard cassette modules with up to 3 MPO/MTP rear interface and 8F/12F/24F front connections
- Available modules for pre-terminated breakout/fanout, splicing, and splitter applications
- Multiple patch cord options with LC/SC and MPO/MTP connectivity
- Variety of trunk cables and harnesses such as MPO/MTP trunk assemblies, harness assemblies, compact trunks, QSFP/CXP to SFP+ harnesses
- Plug & play adapter panels for interface between MTP trunks and LC/SC patch
- cords, connectivity
- Customized cassette modules and cabling as needed

   NOTE: See *Precision HD Cassettes* & *HD Data Center Solutions* datasheets for more information

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Product Ordering Information

Rack Height:
1RU = 1.75"
2RU = 3.5"
3RU = 5.25"
4RU = 7.0"

Width:
1 = 19"
2 = 23"

Depth:
00 = No Depth (front panel only)
08 = 8 inches
17 = 17 inches (High Density)
18 = 18 inches (High Density)

# of Modules

Module Width:
H = High Density LGX
U = Ultra HD (Tray)
V = HD Tray (V-version)
F = Full-width Tray

Module Type:
L = LGX
T = Tray

Chassis Type:
0 = Closed Rear
R = Open Rear
A = Rear Access Door
T = Rear Management

Custom Loaded Assembly

Standard HD Patch Panels:

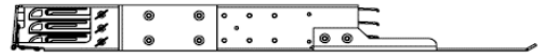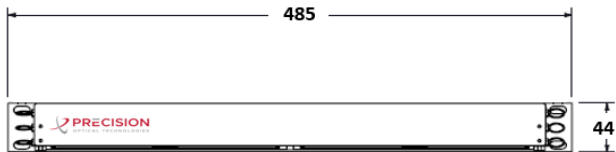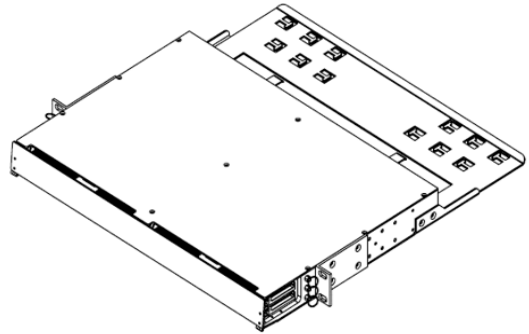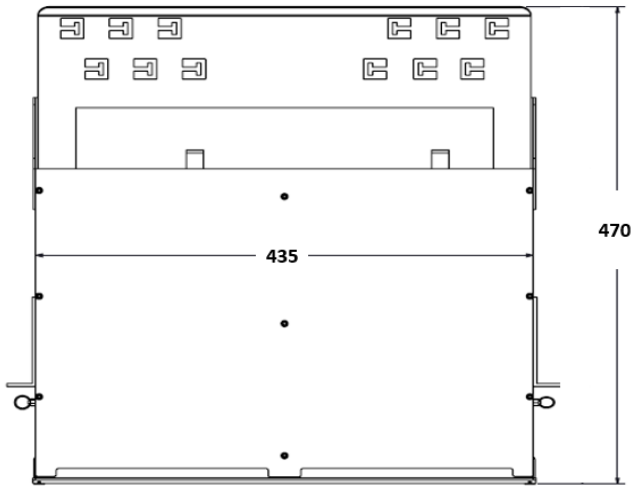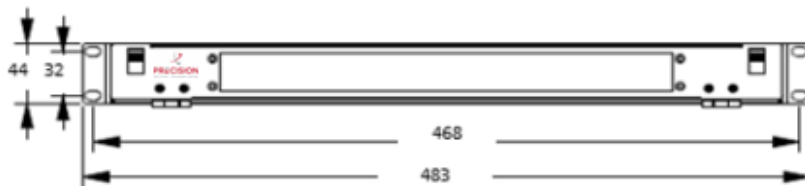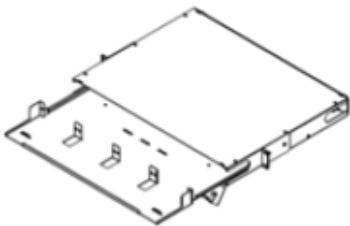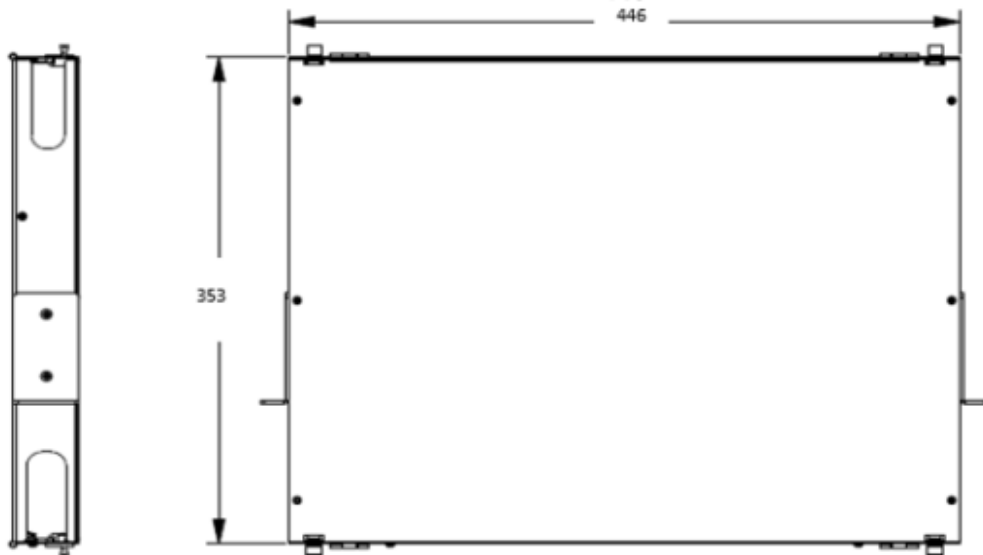| Part Number	Description
1RU1-18-6UT-R	1U High Density Rackmount, 19"W, 18.5" (470mm) Depth, 6 UHD Tray Slots, Open Rear with Fiber Management Tray, Empty Panel
1RU1-17-6VT-A	1U High Density Rackmount, 19"W, 17" (432mm) Depth, 6 UHD Tray Slots, Rear Access Door with Fiber Management Tray, Empty Panel
1RU1-17-4HL-A	1RU HD Rackmount Chassis, 19" Width, 17" Depth with 4 HD LGX Slots, Rear Access Door, with Brackets, Empty Panel
1RU1-18-4HL-0	1RU HD Rackmount Chassis, 19" Width, 17.6" Depth with 4 HD LGX Slots, Removable Rear Cover, with Brackets, Empty Panel
1RU1-00-4HL-T	1RU HD Rackmount, 19" Width, 4 HD LGX Slots, Front Panel with Adjustable Rear Management Tray

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General Specifications

Precision P/N	Parameter	Specification
1RU1-18-6UT-R	Dimensions (inches)	1.75 x 17 x 18.5 (HxWxD)
	Empty Weight (lbs)	5.9
	Cassette Capacity	6 Trays (1/2-width)
	Fiber Capacity	144F (LC), 72F (SC)
	Material	Aluminum, 2mm Gage
	Finish	Black Powder Coat
	Operating Temperature	-20°C ~ +70C

Precision P/N	Parameter	Specification
1RU1-17-6VT-A	Dimensions (inches)	1.75 x 17.7 x 17.8 (HxWxD)
	Empty Weight (lbs)	6.3
	Cassette Capacity	6 Trays (1/2-width)
	Fiber Capacity	144F (LC), 72F (SC)
	Material	Aluminum, 2mm Gage
	Finish	Black Powder Coat
	Operating Temperature	-20°C ~ +70C

Precision P/N	Parameter	Specification
1RU1-17-4HL-A	Dimensions (inches)	1.75 x 17.5 x 14 (HxWxD)
	Empty Weight (lbs)	7.6
	Cassette Capacity	4 HD LGX Modules
	Fiber Capacity	96F (LC), 48F (SC)
	Material	Aluminum, 2mm Gage
	Finish	Black Powder Coat
	Operating Temperature	-20°C ~ +70C

Precision P/N	Parameter	Specification
1RU1-18-4HL-0	Dimensions (inches)	1.75 x 17.7 x 18 (HxWxD)
	Empty Weight (lbs)	2.1
	Cassette Capacity	4 HD LGX Modules
	Fiber Capacity	96F (LC), 48F (SC)
	Material	Aluminum, 2mm Gage
	Finish	Black Powder Coat
	Operating Temperature	-20°C ~ +70C

Precision P/N	Parameter	Specification
1RU1-00-4HL-T	Dimensions (inches)	1.74 x 17.4 x 7.8 (HxWxD)
	Empty Weight (lbs)	2.1
	Cassette Capacity	4 HD LGX Modules
	Fiber Capacity	96F (LC), 48F (SC)
	Material	Aluminum, 2mm Gage
	Finish	Black Powder Coat
	Operating Temperature	-20°C ~ +70C

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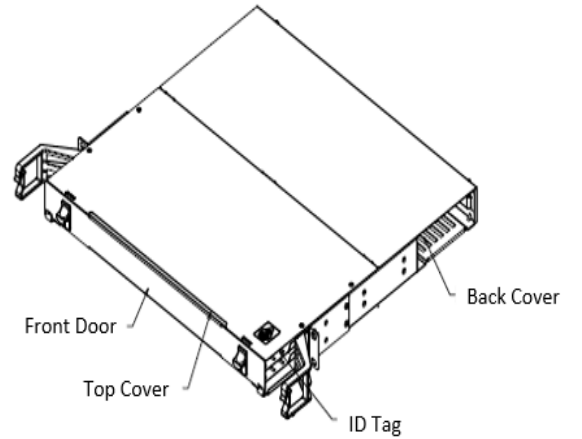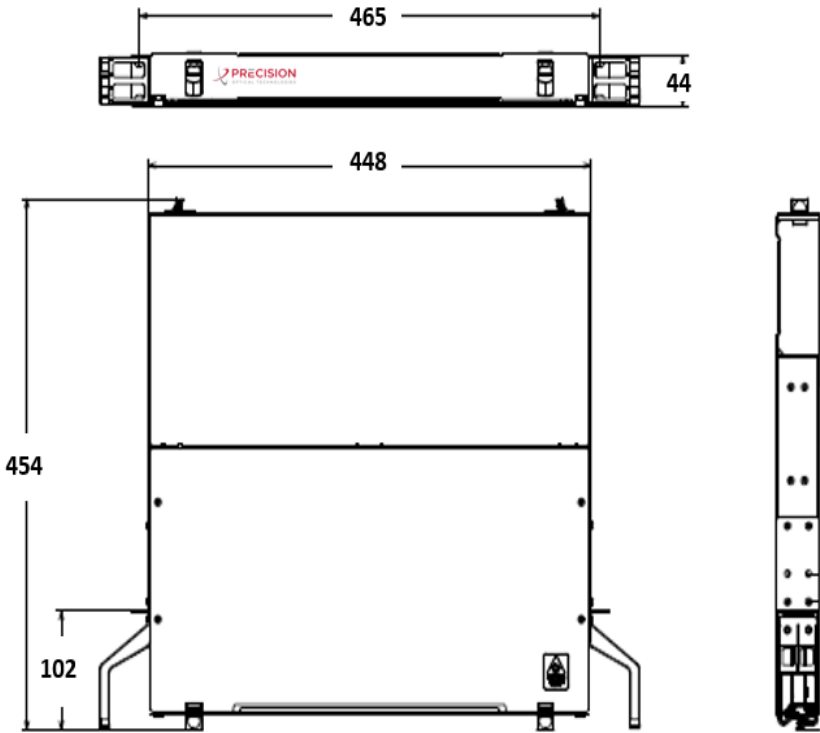
Physical Design (mm):

1RU1-18-6UT-R

1RU1-17-4HL-A

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1RU1-17-6VT-A

Labels: Front Door, Top Cover, Back Cover, ID Tag

Dimensions: 465, 44, 448, 454, 102

1RU1-00-4HL-T

Dimensions: 24, 199, 442, 482