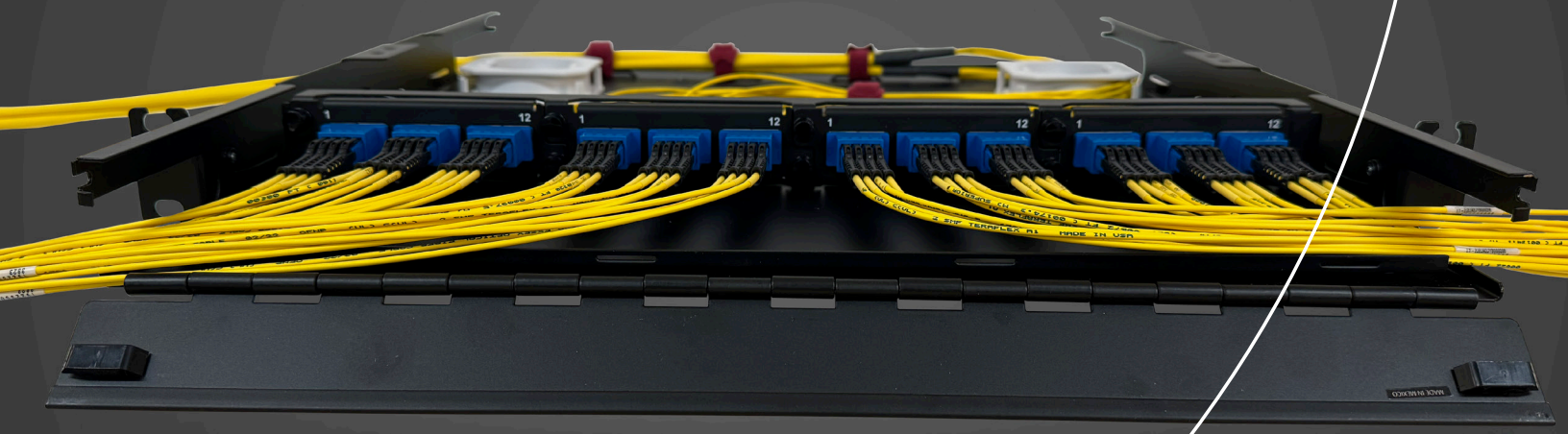
legrand®

Q-Series High Density

Rack Mount Fiber Enclosure



designed to be better.™

VERSATILE, RUGGED, CONFIGURABLE

Legrand's Q-Series HD Fiber Enclosure delivers superior network performance, with various densities and connector options for maximum compatibility. The enclosure's unique modular fiber solution is engineered with installation efficiency, and performance in mind, providing proper fiber optic cable management, protection and organization for fiber patch cords, trunks, splices, and connectors. This enclosure is compatible with all pre-terminated LM4 MPO cassettes, M4 Splice Cassettes, HDFP adapter panels, and coordinated trunks, providing the flexibility to design and install in any application.

MAXIMIZE VERSATILITY & PERFORMANCE

A single enclosure delivers the broadest spectrum of densities, flexible configurations, industry-leading performance in all fiber classes, and connectivity options to meet any application in the data center or building network.

DENSITY OPTIONS TO MEET EVERY CHALLENGE

- Maximum Fibers per Rack Unit Multifiber (24 Fiber MPO): 768
- Maximum Fibers per Rack Unit Multifiber (acclAIM): 192
- Maximum Fibers per Rack Unit VSFF (MDC) Connectors:192
- Maximum Fibers per Rack Unit SFF (LC) Connectors: 96

STRAIGHTFORWARD SPLICING

Simple high-performance splicing enables an interface between bulk fiber cables and connectivity. Splicing options include Splice Cassettes, Pig Tails, Splicing Trays, and Splice-On Connectors to ensure best-in-class connectivity when splicing is preferred or pre-term is not possible.

CONNECTIVITY OPTIONS

Q-Series HD Fiber Enclosure offers options for nearly every application, from a simple wiring closet to a sprawling data center. Connectivity options include LC, MDC, SC, MPO, *acclAIM.

**acclAIM Connectivity is a new and exceptional multifiber connector that delivers one-to-one cassette functionality, design, and administration without the cassette – All while minimizing loss, increasing lifecycles, simplifying design, and reducing labor.*

SIMPLIFIED POLARITY

Q-Series Enclosures utilize universal polarity cassettes which use the same cassette at either end simplifying design and polarity considerations. When using a complete Legrand solution, polarity, pin, and gender configuration are matched every time. Or for the ultimate in simplicity the acclAIM connector option eliminates pin, gender, and polarity considerations.

RUGGED RELIABILITY

The durable all-steel construction is designed to withstand the demands of long-term use, reconfigurations, and adjustments, ensuring that its lifespan aligns with the adaptability of the connectivity it provides.

Q-SERIES HD RACK-MOUNT FIBER ENCLOSURE

Rack Units	Max LC Fiber Count	Max VSFF Fiber Count	Max Cassette or Panel Count	Standard Item Number
1	96	192	4	EQ01U-KHC
2	192	384	8	EQ02U-KHC
4	384	768	16	EQ04U-KHC

EQ01U-KHC

EQ02U-KHC

EQ04U-KHC

COMPATIBLE PRE-TERMINATED CASSETTES - LM4

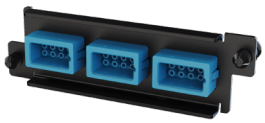
Description		Item Number	
Fiber Count	Tier Level	OS2 (SM)	OM4 (MM)
12	Core	LM4-LC12J	LM4-LC12H-1A1UN
24	Core	LM4-LC24J	LM4-LC24H-2A1UN
12	Ultra	LM4-LA12J-1A2UN	LM4-LC12H
24	Ultra	LM4-LC24J-2A2UN	LM4-LC24H

LM4-LC24J

All products shown are universal polarity. More fiber count, fiber type, connector type, polarity, pinout, and gender options available – See catalog, website, or contact your sales associate for more information.

COMPATIBLE ACCL*AIM* ADAPTER PANELS – HDFP

Description		Item Number		
Fiber Count	Connector	OS2 (SM)	OM4 (MM)	OM5 (MM)
24	MDC-acclAIM	HDFP-AME24AC	HDFP-AME24LC	HDFP-AME24QC
24	acclAIM-acclAIM	HDFP-AAE24AC	HDFP-AAE24LC	HDFP-AAE24QC
48	MDC-acclAIM	HDFP-AME48AC	HDFP-AME48LC	HDFP-AME48QC
48	acclAIM-acclAIM	HDFP-AAE48AC	HDFP-AAE48LC	HDFP-AAE48QC



HDFP-AAE24AC

COMPATIBLE ADAPTER PANELS - HDFP

Description		Item Number		
Fiber Count	Connector	OS2 (SM)	OM4 (MM)	OM5 (MM)
8	LC Duplex	HDFP-LCD08AC	HDFP-LCD08LC	HDFP-LCD08QC
12	LC Duplex	HDFP-LCD12AC	HDFP-LCD12LC	HDFP-LCD12QC
16	LC Quad	HDFP-LCQ16AC	HDFP-LCQ16LC	HDFP-LCQ16QC
24	LC Quad	HDFP-LCQ24AC	HDFP-LCQ24LC	HDFP-LCQ24QC
32	MDC	HDFP-MDC32AC	HDFP-MDC32LC	HDFP-MDC32QC
72	MPO	HDFP-MPA72CA	HDFP-MPA72LA	-

More fiber count, fiber type, connector type, keyed, and color options available – See catalog, website, or contact your sales associate for more information.

HDFP-LCQ24AC

COMPATIBLE SPLICE CASSETTES - M4

Description				Splice Type	
Fiber Count	Fiber Type	Connector	Tier Level	Single Fiber	Ribbon Fiber
12	OS2	LC UPC	Core	M4LCD12-09S1A1	M4LCD12-09R1A1
12	OS2	LC APC	Core	M4LAD12-09S1A1	M4LAD12-09R1A1
12	OS2	LC UPC	Ultra	M4LCD12-09S2A1	M4LCD12-09R2A1
24	OS2	LC UPC	Core	M4LCQ24-09S1A1	M4LCQ24-09R1A1
24	OS2	LC APC	Core	M4LAQ24-09S1A1	M4LAQ24-09R1A1
24	OS2	LC UPC	Ultra	M4LCQ24-09S2A1	M4LAQ24-09R2A1
12	OM4	LC PC	Core	-	M4LCD12-50ER1A1
12	OM4	LC PC	Ultra	M4LCD12-50ES3A1	M4LCD12-50ER3A1
24	OM4	LC PC	Core	M4LCQ24-50ES1A1	-

More fiber count, fiber type, connector type options available – See catalog, website, or contact your sales associate for more information.

M4LCQ24

COMPATIBLE SPLICE TRAYS AND CAPACITY QUANTITY

Description			Tray Quantity Capacity Within Enclosure		
Part Number	Fiber Count	Splice Type	Q-Series 1U	Q-Series 2U	Q-Series 4U
FST2-F012	12	Single	2	7	16
FST3-F048	48	Single	2	4	11
FST3-A144	144	Ribbon	2	4	11

FST3-F048

Data Communications
800.934.5432
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