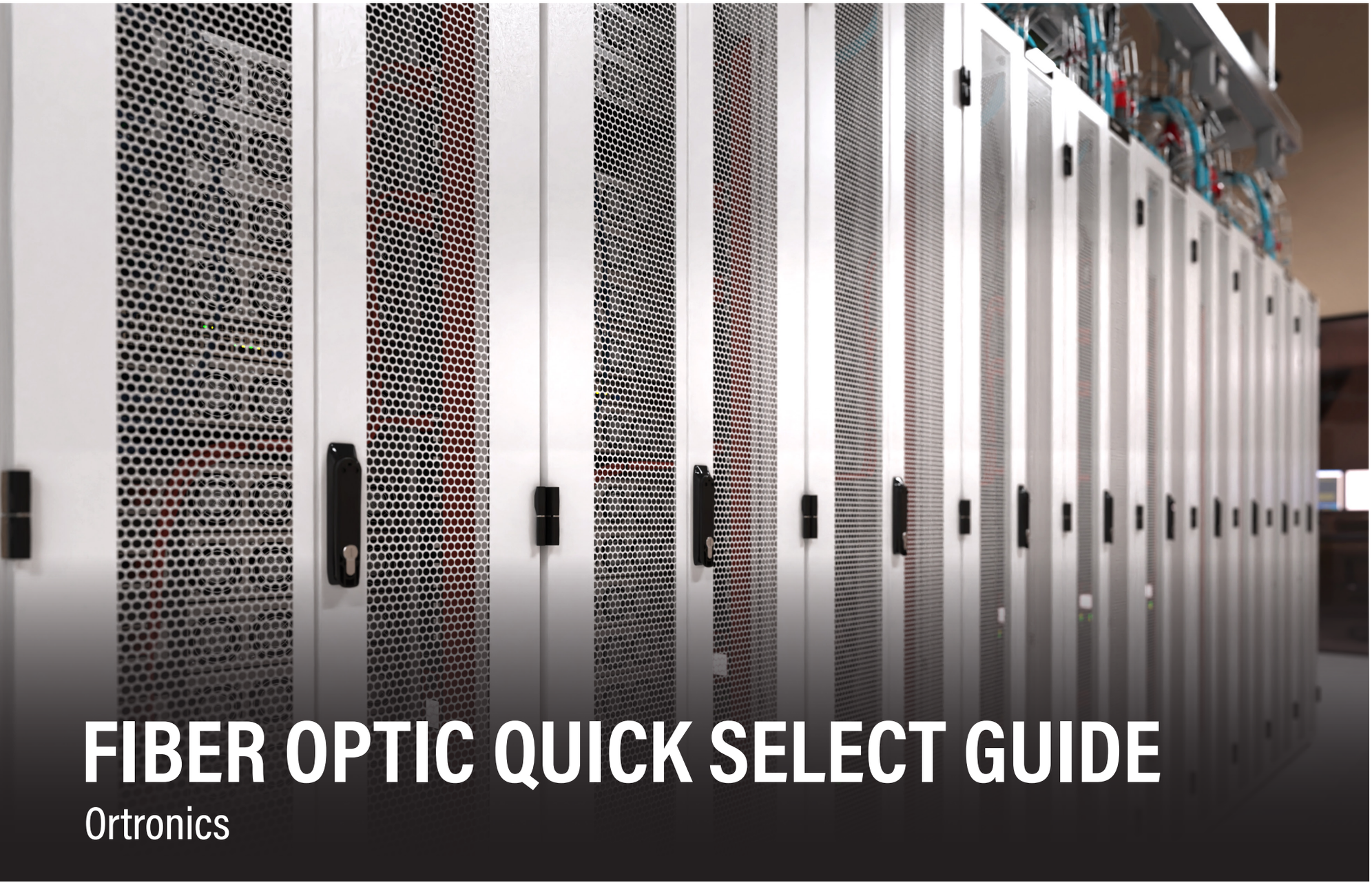


FIBER OPTIC QUICK SELECT GUIDE

Ortronics

#LegrandImprovingLives

legrand®

TABLE OF CONTENTS

LEGRAND FIBER OPTIC SOLUTIONS 3
- ACCL*AIM* 4
- CONNECTIVITY PERFORMANCE 5
- SELECTING A FIBER OPTIC SOLUTION 6

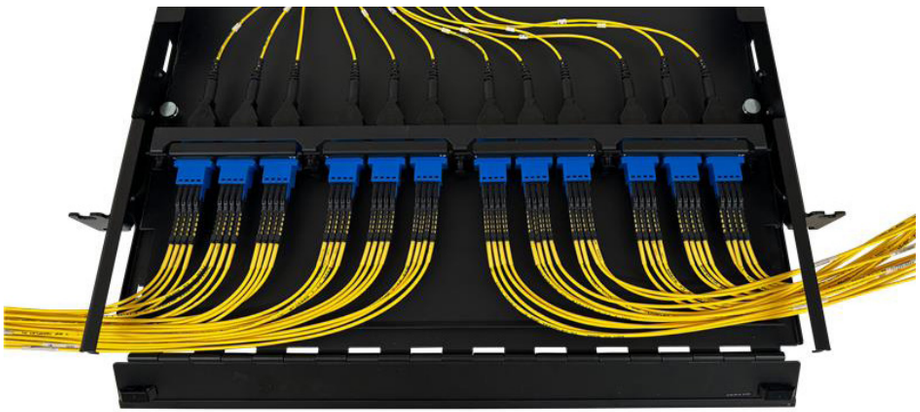
STANDARD DENSITY PLATFORMS 7
HIGH DENSITY PLATFORMS 11
ULTRA-HIGH-DENSITY PLATFORMS 17
HDJ: HIGH-DENSITY JACK PLATFORMS 19
PATCH CORDS & TRUNK CABLES 21
SPLICING, TESTING & CLEANING SOLUTIONS 25
APPROVED NETWORKS 27
LEGRAND PROGRAMS & RESOURCES 29
- FIBER EXPRESS SHIP PROGRAM 29
- TRAINING, EDUCATION AND CERTIFICATION 29
- CERTIFIED CONTRACTOR PROGRAM 31
- FIELD SALES ENGINEERING 32
- WARRANTIES 33

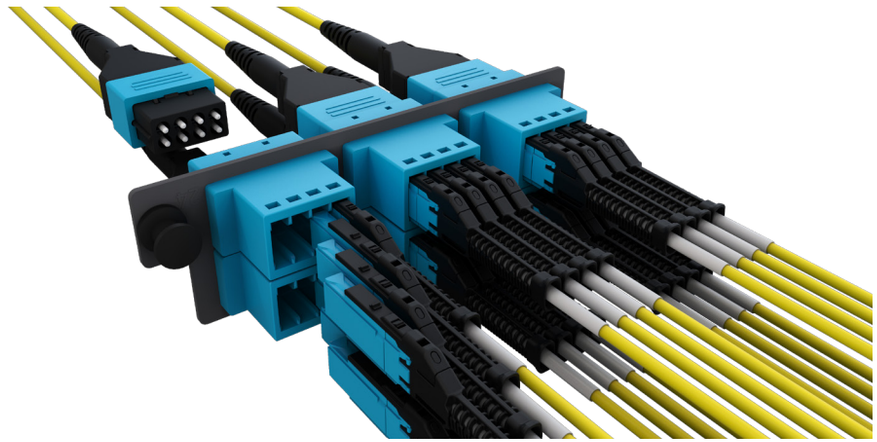
LEGRAND FIBER OPTIC SOLUTIONS

Legrand's fiber optic solutions are designed to deliver the most advanced network performance, with a variety of density and connector options for maximum compatibility. Our offering includes a broad range of fiber platforms, from premium systems for the most demanding applications, to Q-Series systems that make the most of an IT budget.

Along with greater density support, Legrand fiber enclosure systems deliver simple installation, easy administration, and high performance. As networks evolve to support higher bandwidths and new architectures, Legrand helps maximize enclosure investment by designing our enclosure systems to allow for simple swaps of components while utilizing the same enclosure.

Three performance tiers define these diverse fiber platforms. Leading with Quantum, the world's first Quantum-Low loss fiber solution, Ultra, a leading Ultra-Low loss fiber solution, and Core, the low loss fiber solution. Each of these performance tiers is a complete end-to-end solution that were purposefully engineered to work together as a seamless solution that delivers unsurpassed network performance within data centers or building networks.





ACCL*AIM*

REIMAGINE NETWORK INFRASTRUCTURE

accl*AIM* has reimagined network infrastructure by replacing pre-terminated cassette-based solutions with direct-mating breakout connections. This delivers one-to-one cassette functionality, design, and administration–without the cassette. accl*AIM* is the only pre-terminated connectivity solution on the market with a near-zero loss mating, and no gender considerations. The direct-mating breakout and application defined polarity vastly improves density, flexibility, and enables sustainable migration tremendously improving system lifecycle.

REIMAGINE THE CASSETTE

One-to-one cassette functionality, design, and administration–without the cassette.

REDUCE LATENCY

With a Bit Error Rate (BER) improvement greater than 3x, and a Forward Error Corrections (FEC) improvement greater than 1.5x VS. standard pre-terminated cassette-based solutions, the accl*AIM* solution can provide a dramatic improvement on latency.

SIMPLICITY

The direct-mating breakout eliminates the difficulties associated with pins and polarity and provides the greatest range of flexibility in fiber design, all without changing the backbone.

NEARLY 50% FASTER DEPLOYMENT

Lightning fast installation – quicker turn-up times; all driven by direct-mating breakout (single connection) vastly improved ergonomics and simple design.

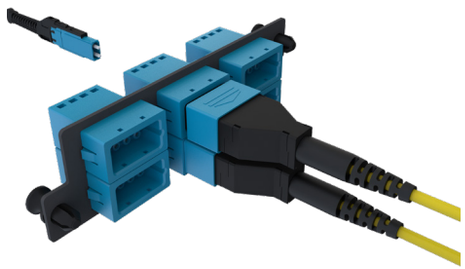
WIDE RANGE OF DENSITY OPTIONS

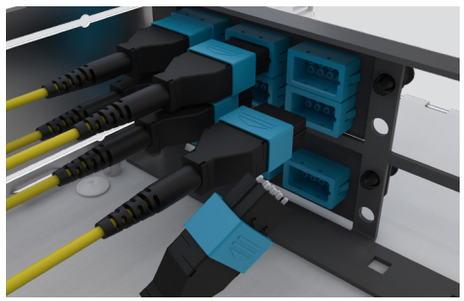
The accl*AIM* solution can offer 72 to 288 fibers per RU while delivering extraordinary accessibility to move, add, or change connectivity.

LOWER SHIPPING COSTS & LESS CLEAN UP

Ship less, waste less – At a fraction of the weight and packaging of standard solutions, accl*AIM* reduces cost and cleanup.







Scan QR code to learn more and find supporting documentation.

CONNECTIVITY PERFORMANCE

CABLE ASSEMBLY

Single-Mode APC

	Core Insertion Loss (dB)		Ultra Insertion Loss (dB)		Return Loss (dB)
Connector	Typical	Max	Typical	Max	Minimum
LC, SC, ST	0.1	0.4	0.1	0.25	65
MTP/MPO	0.3	0.75	0.3	0.35	55

Single-Mode UPC

	Core Insertion Loss (dB)		Ultra Insertion Loss (dB)		Return Loss (dB)
Connector	Typical	Max	Typical	Max	Minimum
LC	0.1	0.3	0.1	0.25	55
MDC, SN	0.1	0.3	0.1	0.25	55
SC, ST	0.1	0.3	0.1	0.25	55
accl*AIM*	0.1	0.3			55

Multimode UPC

	Core Insertion Loss (dB)		Ultra Insertion Loss (dB)		Return Loss (dB)
Connector	Typical	Max	Typical	Max	Minimum
LC, MDC, SN	0.1	0.3	0.1	0.15	40
SC, ST	0.25	0.5	0.1	0.15	26
accl*AIM*	0.1	0.3			40
MTP/MPO	0.3	0.75	0.3	0.35	20

CASSETTE

Single-Mode

Front Connector	Rear Connector – MTP/MPO (APC)		
	Core Insertion Loss (dB)	Ultra Insertion Loss (dB)	Return Loss (dB)
	Max	Max	Minimum
LC, SC (UPC)	1.05	0.60	52.0
LC, SC (APC)	1.15	0.60	54.6
MTP/MPO (APC)	1.50	0.70	52.0

Multimode

Front Connector	Rear Connector – MTP/MPO (UPC)		
	Core Insertion Loss (dB)	Ultra Insertion Loss (dB)	Return Loss (dB)
	Max	Max	Minimum
LC, SC (UPC)	1.25	0.50	19.0
MTP/MPO (UPC)	1.50	0.70	17.0

SELECTING A FIBER OPTIC SOLUTION

1. SELECT A PLATFORM

Standard Density



Rack-Mount



Wall-Mount

High Density



Rack-Mount



Wall-Mount

Ultra-High Density



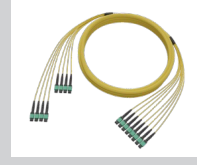
Rack-Mount



Panel

2. SELECT FIBER TYPE

Single-Mode OS2



Multimode OM4



Multimode OM5



3. SELECT CONNECTIVITY INTERFACE

Standard Density



LM2/ M2 Cassette



OFP Adapter Panel

High Density



LM4/ M4 Cassette



HDFP Adapter Panel

4. SELECT CABLE ASSEMBLIES

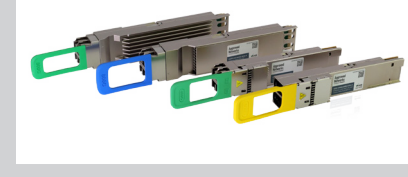




- Performance
- Connector A
- Connector B
- Polarity
- Cable Type
- Fiber Count
- Fiber Type
- Furcation A
- Furcation B
- Options
- Length
- UoM

TRANSCEIVER OPTIONS

p. 27-28



STANDARD DENSITY PLATFORMS (LM2, M2, OFP)

Typical Applications: Campus Network, Building Network, Commercial

Maximum Densities:

	SC	LC	acclAIM	MPO 12/24 F
Fiber Count Per RU	36	72	144	216 / 432



EQ02U-CHC

Maximum Densities:

	Rack-Mount (3 Panels Per RU)			Wall-Mount		
	1 RU	2 RU	4 RU	1 Panel	2 Panel	4 Panel
Enclosure	EQ01U-CHC	EQ02U-CHC	EQ04U-CVC	WQS-01P	WQS-02P	WQS-04P
Panel	RFP01U	RFP02U				



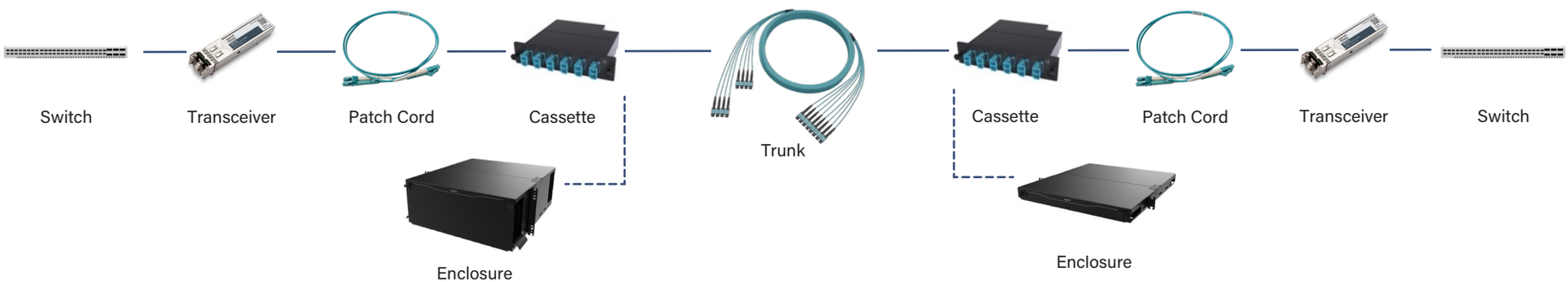
WQS-02P

COMPATIBILITY

- Pre-Terminated Cassettes and Pigtail Cassettes: LM2 / M2
- Splice Cassettes: M2
- Adapter Panels: OFP



Q-SERIES STANDARD DENSITY FIBER OPTIC LINK



Standard Density Platforms

STANDARD DENSITY PLATFORMS (LM2, M2, OFP)

Q-Series: Standard Density, Rack-Mount Fiber Enclosure

Description				Part Number
Rack Units	Max LC Fiber Count	Max VSFF Fiber Count	Max Cassette or Panel Count	
1	72	144	3	EQ01U-CHC
2	144	288	6	EQ02U-CHC
4	288	576	12	EQ04U-CVC
12 Fiber Splice Tray				FST2-F012
48 Fiber Splice Tray				FST3-F048

Quantity of Splice Trays:FST2-F012: 1U (2 Trays); 2U (7 Trays); 4U (16 Trays) | FST3-F048: 1U (2 Trays); 2 U (4 Trays); 4 U (11 Trays)



EQ02U-CHC

Q-Series: Standard Density, Fiber Patch Panel (RFP-SD)

Mounting Type	Height	Cassette Compatibility	Adapter Compatibility	Capacity	Max Fiber Count (LC)	Part Number
Flush	1RU	LM2 / M2	OFP	3	72	RFP01U
Flush	2RU			6	144	RFP02U
Angled 45º	1RU			3	72	RFPA01U
Angled 45º	2RU			6	144	RFPA02U
Angled 58º	1RU			3	72	RFPA01U-A
Angled 58º	2RU			6	144	RFPA02U-A



RFP02U

Q-Series: Standard Density, Wall-Mount Fiber Enclosure

Description			Part Number
Max LC Fiber Count	Max VSFF Fiber Count	Max Cassette or Panel Count	
24	48	1	WQS-01P
48	96	2	WQS-02P
96	144	4	WQS-04P
Compact 12 Fiber Splice Tray (Order Separately From: WQS-STB)			FST4-F012C
Mounting Bracket for Compact 12 Fiber Splice Tray (Order Separately From: FST4-F012C)			WQS-STB



WQS-01P

STANDARD DENSITY PLATFORMS (LM2, M2, OFP)

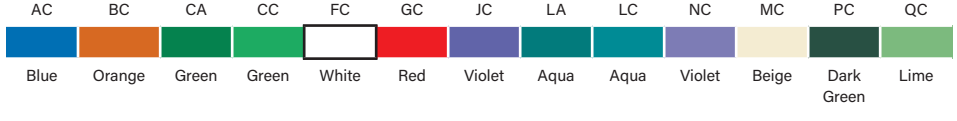
LM2: Standard Density, Pre-terminated LC

Universal Polarity Cassette Module

Description			Part Number	
Connector Style	Fiber Count	Performance Tier	OS2	OM4
LC - MPO UPC (Pinned)	12	Core	LM2-LC12J	LM2-LC12H
	24		LM2-LC24J	LM2-LC24H
LC - MPO APC (Pinned)	12	Ultra	LM2-LC12J-1A2UN	
	24		LM2-LC24J-2A2UN	

OFP: Standard Density, accl*AIM* Adapter Panel

Description			Part Number		
Connector Style	Fiber Count	Adapter Count	OS2	OM4	OM5
accl*AIM* / (4) MDC	24	3	OFP-AME24AC	OFP-AME24LC	OFP-AME24QC
	48	6	OFP-AME48AC	OFP-AME48LC	OFP-AME48QC
accl*AIM* / accl*AIM*	24	3	OFP-AAE24AC	OFP-AAE24LC	OFP-AAE24QC
	48	6	OFP-AAE48AC	OFP-AAE48LC	OFP-AAE48QC

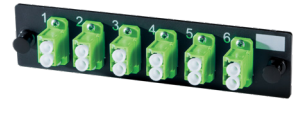




LM2-LC24J



OFP-AME24LC



OFP-LCD12PC

OFP: Standard Density, Adapter Panel

Description		Part Number		
Connector Style	Fiber Count	All Fiber Types	OS2	OM3 / OM4
NA	NA	OFP-BLANK		
LC Duplex	8		OFP-LCD08AC	OFP-LCD08LC
	12	OFP-LCD12FC	OFP-LCD12AC	OFP-LCD12LC
		OFP-LCD12MC		
		OFP-LCD12NC		
		OFP-LCD12PC		
	16		OFP-LCD16AC	OFP-LCD16LC
LC Quad	24	OFP-LCQ24BC	OFP-LCQ24AC	OFP-LCQ24LC
		OFP-LCQ24CC		
		OFP-LCQ24GC		
		OFP-LCQ24IC		
		OFP-LCQ24JC		
		OFP-LCQ24LC		
		OFP-LCQ24PC		
LC APC Duplex	12		OFP-LCD12CC	
LC APC Quad	24		OFP-LCQ24CC	
SC Simplex	6		OFP-SCS06AC	OFP-SCS06LC
SC Duplex	6		OFP-SCD06AC	OFP-SCD06LC
SC APC Simplex	6		OFP-SCS06CC	
SC APC Duplex	6		OFP-SCD06CC	
SC APC Duplex	12		OFP-SCD12CC	
MPO	72		OFP-MPA72CA	OFP-MPA72LA
	96		OFP-MPA96CA	OFP-MPA96LA

STANDARD DENSITY PLATFORMS (LM2, M2, OFP)

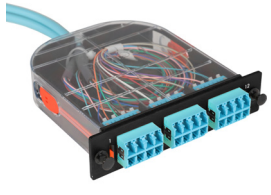
LM2: Standard Density, Pigtail Cassette

Description			Part Number	
Pigtail Type	Connector Style	Fiber Count	OS2	OM4
900µm	LC	12	LM2-LCD12J-ZT1001M	LM2-LCD12H-ZT1001M
		24	LM2-LCQ24J-ZT1001M	LM2-LCQ24H-ZT1001M
	LCA	12	LM2-LAD12J-ZT1001M	
		24	LM2-LAQ24J-ZT1001M	
	SC	12	LM2-SCD12J-ZT1001M	
250µm	LC	24	LM2-LCQ24J-ZU1001M	LM2-LCQ24H-ZU1001M
Ribbon	LC	24	LM2-LCQ24JZP1001M	LM2-LCQ24H-ZP1001M

OFP: Standard Density, Keyed Adapter Panels

Connector Type	Fiber Count	Adapter Count	Keyed Front / Keyed Rear	Keyed Front / Non-Keyed Rear
LC Duplex	12	6	OFP-LCD12ZC-X	OFP-LCD12YC-X
LC Duplex	16	8	OFP-LCD16ZC-X	OFP-LCD16YC-X
LC Duplex	24	12	OFP-LCD24ZC-X	OFP-LCD24YC-X

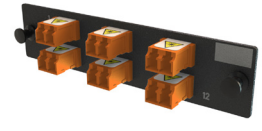
NOTE: X in the part number indicates color, replace X with: A (Rose), B (White), C (Yellow), D (Red), E (Orange), F (Violet), G (Gray), H (Blue), J (Brown), K (Aqua), L (Magenta), M (Green), U (Black)



LM2-LCQ24H-ZT1001M



M2SCD12-091A1S



OFP-LCD24YC-E

M2: Standard Density, Splice Cassette

Description				Part Number	
Splice Type	Connector Style	Fiber Count	Performance Tier	OS2	OM3/OM4
Single Fiber	LC	12	Core	M2LCD12-091A1S	M2LCD12-50E1A1S
			Ultra		M2LCD12-50E3A1S
		24	Core	M2LCQ24-091A1S	M2LCQ24-50E1A1S
			Ultra		M2LCQ24-50E3A1S
	LC APC	12	Core	M2LCD12-09A1A1S	
		24	Core	M2LCQ24-09A1A1S	
	SC	12	Core	M2SCD12-091A1S	M2SCD12-50E1A1S
			Ultra		M2SCD12-50E3A1S
	SC APC	12	Core	M2SCD12-09A1A1S	
Ribbon Fiber	LC	12	Core	M2LCD12-091A1R	M2LCD12-50E1A1R
			Ultra		M2LCD12-50E3A1R
		24	Core	M2LCQ24-091A1R	M2LCQ24-50E1A1R
			Ultra		M2LCQ24-50E3A1R
	LC APC	12	Core	M2LCD12-09A1A1R	
		24	Core	M2LCQ24-09A1A1R	
	SC	12	Core	M2SCD12-091A1R	M2SCD12-50E1A1R
			Ultra		M2SCD12-50E3A1R
	SC APC	12	Core	M2SCD12-09A1A1R	

HIGH DENSITY PLATFORMS (LM4, M4, HDFP)

Typical Applications: Campus Network, Building Network, Data Center

Maximum Densities:

	SC	LC	acclAIM & VSFF	MPO 12/24 F
Fiber Count Per RU	48	96	192	384 / 768



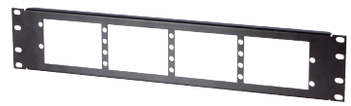
EQ02U-KHC

Platform Option Overview

	Rack-Mount (4 Panels Per RU)			Wall-Mount
	1 RU	2 RU	4 RU	4 Panel
Black Enclosure	EQ01U-KHC	EQ02U-KHC	EQ04U-KHC	HDSMFC-24P/S-00
Black Enclosure -TAA	EQ01U-KHC-TAA	EQ02U-KHC-TAA	EQ04U-KHC-TAA	
Magnesium & Lexan Enclosure	EQ01U-KHL-M	EQ02U-KHL-M	EQ04U-KHL-M	
Panel	RFPHD01U	RFPHD02U		



HDSMFC-24P/S-00



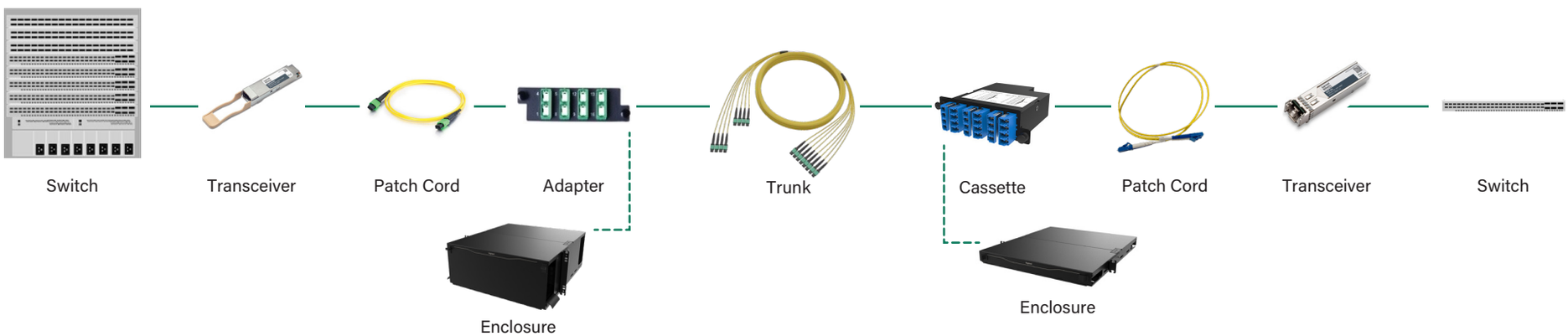
RFPHD02U

COMPATIBILITY

- Cassettes and Pigtail Cassettes: LM4 / M4
- Splice Cassettes: M4
- Adapter Panels: HDFP



Q-SERIES HIGH DENSITY FIBER OPTIC LINK



High Density Platforms

HIGH DENSITY PLATFORMS (LM4, M4, HDFP)

Q-Series: High Density, Rack-Mount Fiber Enclosure

Description				Part Number		
Rack Units	Max LC Fiber Count	Max VSFF Fiber Count	Max Cassette or Panel Count	Black	Black TAA	Magnesium With Lexan Door
1	96	192	4	EQ01U-KHC	EQ01U-KHC-TAA	EQ01U-KHL-M
2	192	384	8	EQ02U-KHC	EQ02U-KHC-TAA	EQ02U-KHL-M
4	384	768	16	EQ04U-KHC	EQ04U-KHC-TAA	EQ04U-KHL-M
12 Fiber Splice Tray				FST2-F012		
48 Fiber Splice Tray				FST3-F048		
144 Fiber Splice Tray				FST3-F048		



EQ02U-KHC



EQ02U-KHL-M

Quantity of Splice Trays

FST2-F012: 1U (2 Trays); 2 U (7 Trays); 4 U (16 Trays)

FST3-F048: 1U (2 Trays); 2 U (4 Trays); 4 U (11 Trays)

FST3-A144: 1U (2 Trays); 2U (4 Trays); 4U (11 Trays)

Q-Series: High Density, Fiber Patch Panel (RFP-HD)

Mounting Type	Height	Cassette Compatibility	Adapter Compatibility	Capacity	Max Fiber Count (LC)	Part Number
Flush	1RU	LM4 / M4	HDFP	4	96	RFPHD01U
Flush	2RU			8	192	RFPHD02U
Angled 45º	2RU					RFPAHD02U
Angled 56º-60º	1RU			4	96	RFPAHD01UA



RFPHD02U

Q-Series: High Density, Wall-Mount Fiber Enclosure

Description			Part Number
Max LC Fiber Count	Max VSFF Fiber Count	Max Cassette or Panel Count	Part Number
96	192	4	HDSMFC-24P/S-00
Compact 12 Fiber Splice Tray (Order Separately From: HDSMFC-24P/S-00)			FST4-F012C
Mounting Bracket for Compact 12 Fiber Splice Tray (Order Separately From: FST4-F012C)			WQS-STB



HDSMFC-24P/S-00

HIGH DENSITY PLATFORMS (LM4, M4, HDFP)

LM4: High Density, Pre-terminated LC, Universal Polarity Cassette Module

Description						Part Number	
		Rear Connector		Front Connector		Performance	
Fiber Type	Fiber Count	Type	Quantity	Type	Quantity	Core	Ultra
OM4	12	MPO (Pinned)	1 (12F)	LC PC	12	LM4-LC12H-1A1UN	LM4-LC12H
OM4	24	MPO (Pinned)	2 (12F)	LC PC	24	LM4-LC24H-2A1UN	LM4-LC24H
OM4	24	MPO (Non-Pinned)	3 (8F)	LC PC	24	LM4-LC24H-3C1UN	LM4-LC24H-3C3UN
OS2	12	MPO (Pinned)	1 (12F)	LC UPC	12	LM4-LC12J	LM4-LC12J-1A2UN
OS2	12	MPO (Pinned)	1 (12F)	LC APC	12		LM4-LC12J-1A2UN
OS2	24	MPO (Pinned)	2 (12F)	LC UPC	24	LM4-LC24J	LM4-LC24J-2A2UN
OS2	24	MPO (Non-Pinned)	3 (8F)	LC UPC	24	LM4-LC24J-3C1UN	LM4-LC24J-3C2UN
OS2	24	MPO (Non-Pinned)	3 (8F)	LC APC	24	LM4-LA24J-3C1UN	LM4-LA24J-3C2UN

Note: Rear Connector MPO Polish Type (OS2: APC; OM4: UPC)

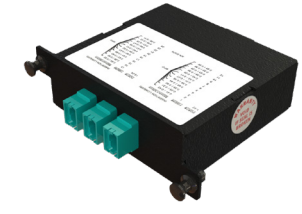


HDSMFC-24P/S-00

M4: High Density, MPO Conversion Cassette Module - Ultra Performance

Description					Part Number	
	Front Connector		Rear Connector		Fiber Type	
Fiber Count	Type	Quantity	Type	Quantity	OS2	OM4
24	MPO (Pinned)	3	MPO (Pinned)	2	M4MAE24-09A2K1	M4MAE24-50EA3K1
24	MPO (Pinned)	3	MPO (Pinned)	1	M4MAE24-09B2K1	M4MAE24-50EB3K1
48	MPO (Pinned)	6	MPO (Pinned)	4	M4MAE48-09A2K1	M4MAE48-50EA3K1
48	MPO (Pinned)	6	MPO (Pinned)	2	M4MBE48-09B2K1	M4MAE48-50EB3K1
48	MPO (Non-Pinned)	6	MPO (Pinned)	4		M4MAE48-50EA3K1
48	MPO (Non-Pinned)	6	MPO (Pinned)	2	M4MAE48-09B2K1	

Note: Rear Connector MPO Polish Type (OS2: APC; OM4: UPC)



M4MAE24-50EA3K1

HDFP: High Density, accl*AIM* Adapter Panel

Connector Style	Fiber Count	Adapter Count	OS2	OM4	OM5
accl*AIM* / (4) MDC	24	3	HDFP-AME24AC	HDFP-AME24LC	HDFP-AME24QC
	48	6	HDFP-AME48AC	HDFP-AME48LC	HDFP-AME48QC
accl*AIM* / accl*AIM*	24	3	HDFP-AAE24AC	HDFP-AAE24LC	HDFP-AAE24QC
	48	6	HDFP-AAE48AC	HDFP-AAE48LC	HDFP-AAE48QC



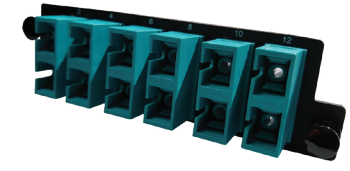
HDFP-AAE24AC

HDFP: High Density, Adapter Panel

Connector Style	Fiber Count	All Fiber Types	OS2	OM4	OM5
NA	NA	HDFP-BLANK	HDFP-BLANK	HDFP-BLANK	HDFP-BLANK
LC Duplex	8		HDFP-LCD08AC	HDFP-LCD08LC	HDFP-LCD08QC
	12	HDFP-LCD12MB	HDFP-LCD12AC	HDFP-LCD12LC	HDFP-LCD12QC
LC Duplex APC			HDFP-LCD12CC		
LC Quad	16		HDFP-LCQ16AC	HDFP-LCQ16LC	HDFP-LCQ16QC
	24	HDFP-LCQ24BC	HDFP-LCQ24AC	HDFP-LCQ24LC	HDFP-LCQ24QC
		HDFP-LCQ24FC			
		HDFP-LCQ24GC			
		HDFP-LCQ24HC			
		HDFP-LCQ24JC			
		HDFP-LCQ24MB			
MDC	32		HDFP-MDC32AC	HDFP-MDC32LC	HDFP-MDC32QC
(6) MPO		HDFP-MPA72ED	HDFP-MPA72CA	HDFP-MPA72LA	HDFP-MPA72FA
		HDFP-MPA72GA			
(8) MPO			HDFP-MPA96CA	HDFP-MPA96LA	HDFP-MPA96FA
SC Duplex	12		HDFP-SCD12AC	HDFP-SCD12LC	HDFP-SCD12QC
SC Duplex APC			HDFP-SCD12CC		



HDFP-LCQ24AC



HDFP-SCD12AC



HDFP-MPA72GA

Note: OM4 adapter panels are compatible and can be used for OM3 fiber connectors.

HDFP: Adapter Panel Color Chart

AC	BC	CA	CC	FC	GC	JC	LA	LC	NC	MC	PC	QC
Blue	Orange	Green	Green	White	Red	Violet	Aqua	Aqua	Violet	Beige	Dark Green	Lime

LM4: High Density, Pigtail Cassette

Description			Part Number	
Pigtail Type	Connector Style	Fiber Count	OS2	OM4
900um	LC	12	LM4-LCD12J-ZT1001M	LM4-LCD12H-ZT1001M
		24	LM4-LCQ24J-ZT1001M	LM4-LCQ24H-ZT1001M
	LCA	12	LM4-LAD12J-ZT1001M	
		24	LM4-LAQ24J-ZT1001M	
250um	LC	12	LM4-LCD12J-ZU1001M	LM4-LCD12H-ZU1001M
		24	LM4-LCQ24J-ZU1001M	LM4-LCQ24H-ZU1001M
Ribbon	LC	12	LM4-LCD12J-ZP1001M	LM4-LCD12H-ZP1001M
		24	LM4-LCQ24J-ZP1001M	LM4-LCQ24H-ZP1001M



LM4-LCD12J-ZP1001M



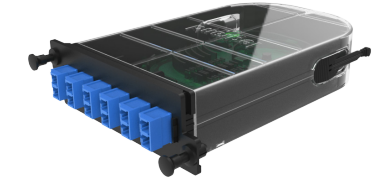
LM4-LCQ24H-ZT1001M

M4: High Density, Splice Cassette

Description				Part Number	
Splice Type	Connector Style	Fiber Count	Performance Tier	OS2	OM3/OM4
Single Fiber	LC	12	Core	M4LCD12-09S1A1	
			Ultra	M4LCD12-09S2A1	M4LCD12-50ES3A1
		24	Core	M4LCQ24-09S1A1	M4LCQ24-50ES1A1
			Ultra	M4LCQ24-09S2A1	M4LCQ24-50ES3A1
	LC APC	12	Core	M4LAD12-09S1A1	
		24	Core	M4LAQ24-09S1A1	
	SC	12	Core	M4SCD12-09S1A1	
			Ultra		M4SCD12-50ES3A1
	SC APC	12	Core	M4SAD12-09S1A1	
Ribbon Fiber	LC	12	Core	M4LCD12-09R1A1	M4LCD12-50ER1A1
			Ultra	M4LCD12-09R2A1	M4LCD12-50ER3A1
		24	Core	M4LCQ24-09R1A1	
			Ultra	M4LCQ24-09R2A1	M4LCQ24-50ER3A1
	LC APC	12	Core	M4LAD12-09R1A1	
		24	Core	M4LAQ24-09R1A1	
	SC	12	Core	M4SCD12-09R1A1	M4SCD12-50ER1A1
			Ultra		M4SCD12-50ER3A1
	SC APC	12	Core	M4SAD12-09R1A1	



M4LCQ24-50ER3A1

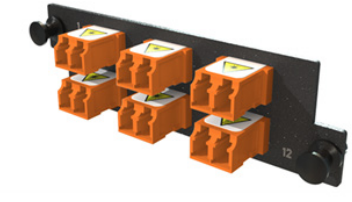


M4SCD12-09S1A1

HDFP: Keyed Adapter Panels

Connector Type	Fiber Count	Adapter Count	Keyed Front / Keyed Rear	Keyed Front / Non-Keyed Rear
LC Duplex	12	6	HDFP-LCD12ZC-X	HDFP-LCD12YC-X
LC Duplex	16	8	HDFP-LCD16ZC-X	HDFP-LCD16YC-X

NOTE: X in the part number indicates color, replace X with: A (Rose), B (White), C (Yellow), D (Red), E (Orange), F (Violet), G (Gray), H (Blue), J (Brown), K (Aqua), L (Magenta), M (Green), U (Black)



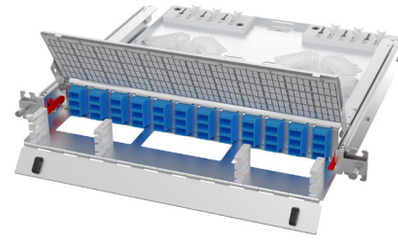
HDFP-LCD12ZC-E

ULTRA-HIGH-DENSITY PLATFORMS

Typical Applications: Data Center

INFINIUM ACCESS

The Infinium Access UHD+ Enclosure offers maximum access and visibility to install, manage, and maintain the extreme density of 288 fibers of very small form factor (VSFF) connectors, all within 1 RU. Infinium Access utilizes a patented enclosure drawer release, spring-loaded top cover, access cutouts, and cable management in the front and rear of the enclosure, all while employing the industry-leading accl*AIM* connectivity.



ACCESS-01U-MA

Maximum Densities

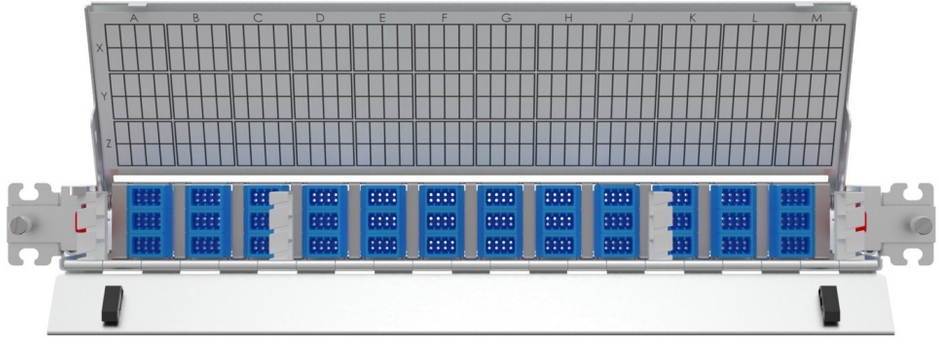
	SC	LC	acclAIM & VSFF	MPO 12/24 F
Fiber Count	48	96	192	384 / 768

Platform Option Overview

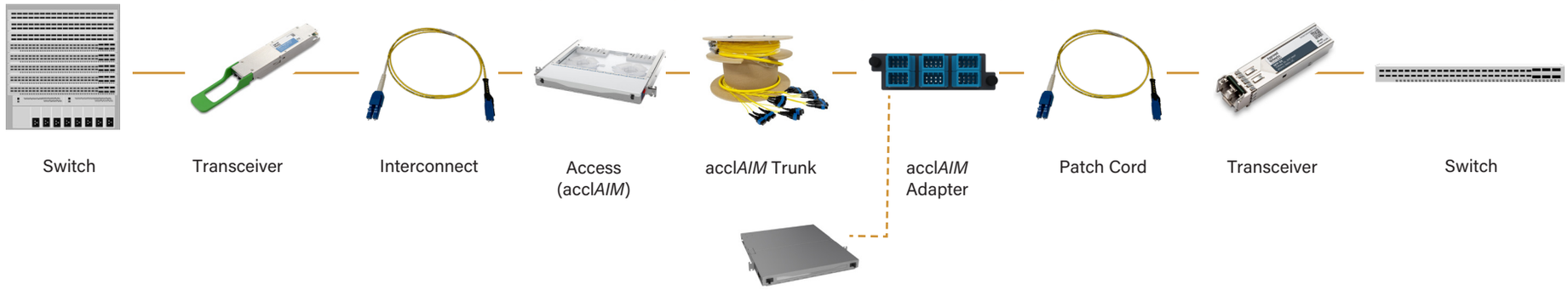
	Single-Mode OS2	Multimode OM4	Multimode OM5
accl*AIM* to MDC	ACCESS-01U-MA	ACCESS-01U-ML	ACCESS-01U-MQ
accl*AIM* to accl*AIM*	ACCESS-01U-AA	ACCESS-01U-AL	ACCESS-01U-AQ
Unloaded	ACCESS-01U-UM		
Accessories			
accl*AIM* to MDC 3-pack Adapters	205ANM08T-A	205ANM08T-L	205ANM08T-Q
accl*AIM* to accl*AIM* 3-pack Adapters	205ANA08T-A	205ANA08T-L	205ANA08T-Q
HILOC-CRADLE-KIT	HiLOC Cradle Kit – 6 Pack		

Compatibility

- MDC to accl*AIM*
- accl*AIM* to accl*AIM*



INFINIUM ACCESS ULTRA-HIGH DENSITY+ FIBER OPTIC LINK



INFINIUM 384

Maximum Densities:

	MDC
Fiber Count	384

Platform Option Overview

	Single-Mode OS2	Multimode OM4
MDC to MDC	PMDC-01U-A	PMDC-01U-L



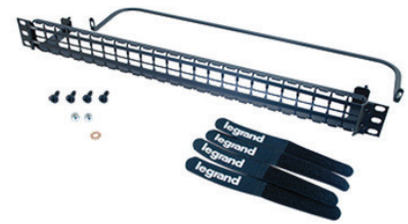
PMDC-01U-L

HDJ: HIGH-DENSITY JACK PLATFORMS (LMH, HD6FM HDFM)

Typical Applications: Campus Network, Building Network, Commercial, Light Industrial

Maximum Densities

	SC	LC	MPO 12/24 F
Fiber Count	48	96	576 / 1152



PHDFMU48

Platform Option Overview

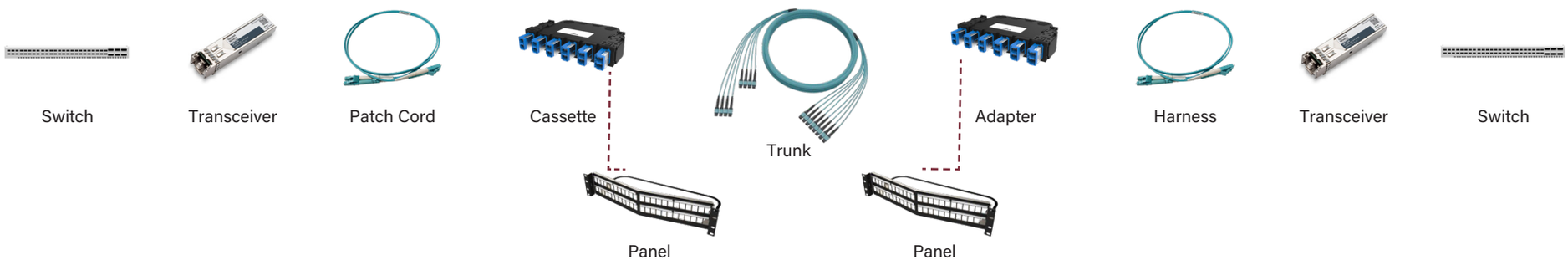
			Flat		Angled		LCS3
Rack Units	Media	Port Count	Black	White	Black	White	Front Loading Cassette Panel
1	Mixed	24	PHDHJU24	PHDHJU24-W	PHAHJU24	PHAHJU24-W	033-683
		48	PHDHJU48	PHDHJU48-W	PHAHJU48	PHAHJU48-W	033-684
	Fiber		PHDFMU48		PHAFMU48		
2	Mixed	78	PHDHJU72	PHDHJU72-W	PHAHJU72	PHAHJU72-W	

COMPATIBILITY

- Cassettes: LMH
- Adapter Panels: HD6FM
- Jack Modules: HDFM



HIGH-DENSITY JACK FIBER OPTIC LINK



HDJ: HIGH-DENSITY JACK PLATFORMS (LMH, HD6FM, HDFM)

LMH: High-Density Jack, Pre-terminated LC, Universal Polarity Cassette Module

	Description			Part Number	
		Rear Connector		Fiber Type	
Fiber Count	Type	Type	Performance	OS2	OM4
8	LC	MPO (Non-Pinned)	Core	LMH-LC08J	LMH-LC08H-1C1UN
12		MPO (Pinned)		LMH-LC12J	LMH-LC12H-1A1UN
8	LC	MPO (Non-Pinned)	Ultra	LMH-LC08J-1C2UN	LMH-LC08H
12	LC	MPO (Pinned)		LMH-LC12J-1A2UN	LMH-LC12H

Note: Rear Connector MPO Polish Type (OS2: APC; OM4: UPC)

HD6FM: High-Density Jack, Fiber Adapter Module Panel (6 Adapters Per Panel)

Adapter Color	LC Duplex	SC Simplex	MPO
Blue	HD6FM-FLC2CA-00	HD6FM-FSC1CA-00	HD6FM-FMPZAA-00
Green	* HD6FM-FLC2CC-00	HD6FM-FSC1CC-00	* HD6FM-FMPZAC-00
Gray			** HD6FM-FMPZDE-00

Note: * Indicates Angle Polish (APC) ** Indicates Type B Aligned Key
Fiber Count: LC Duplex (12F); SC Simplex (6F); MPO (Variable)

HDFM: High-Density Jack, Adapter Modules

HDFM: Fiber Adapter Module				
	25 Pack	1 Pack		
Adapter Color	LC Duplex	LC Duplex	SC Simplex	MPO
Blue	HDFM25FLC2CA-00	HDFM-FLC2CA-00	HDFM-FSC1CA-00	HDFM-FMTZNA-00
Green	* HDFM-FLC2CC-00	* HDFM-FLC2CC-00	* HDFM-FSC1CC-00	* HDFM-FMTZNC-00
Orange	HDFM25FLC2CB-00	HDFM-FLC2CB-00		
White	HDFM25FLC2CF-00	HDFM-FLC2CF-00		
Red	HDFM25FLC2CG-00	HDFM-FLC2CG-00	HDFM-FSC1CG-00	HDFM-FMTZNG-00
Black	HDFM25FLC2CH-00	HDFM-FLC2CH-00		HDFM-FMTZNH-00
Yellow	HDFM25FLC2CI-00	HDFM-FLC2CI-00	HDFM-FSC1CI-00	
Gray				**HDFM-FMTZNE-00

Note: * Indicates Angle Polish (APC) ** Indicates Type B Aligned Key
Fiber Count: LC Duplex (12F); SC Simplex (6F); MPO (Variable)

LMH: High-Density Jack, Pre-terminated LC, Universal Polarity Cassette Module

Connector Type	Fiber Count	Adapter Count	Keyed Front / Keyed Rear	Keyed Front / Non-Keyed Rear
LC Duplex	2	1	HDFM-KLC2CX-00	HDFM-HLC2CX-00

NOTE: X in the part number indicates color, replace X with: A (Rose), B (White), C (Yellow), D (Red), E (Orange), F (Violet), G (Gray), H (Blue), J (Brown), K (Aqua), L (Magenta), M (Green), U (Black)

Workstation Solutions: High-Density Jack, Faceplate & Surface-Mount Box

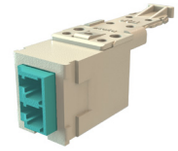
	Faceplates		Surface-Mount Box		
Port Count	Single Gang	Dual Gang	Fog White	White	Ivory
1	403HDJ11		404-HDJ1	404-HDJ1-88	
2	403HDJ12		404-HDJ1	404-HDJ1-88	
3	403HDJ13				404HDJ4-99
4	403HDJ14		404-HDJ1		
6	403HDJ16				
12		403HDJ212			



LMH-LC12J-1A3UN



HDFM-FSC1CA-00



HDFM-KLC2CK



404-HDJ1

LEGRAND PATCH CORD AND TRUNK CABLE ASSEMBLY CONFIGURATORS

INSTRUCTIONS

Using the applicable Patch Cord or Trunk feature tables, select the appropriate designation code and apply to the coordinating cell in the configurator.

Please Note: With hundreds of configuration options, this table has been condensed to the most common choices to simplify the patch cable assembly configuration process. If you require other configuration options or assistance with designing the appropriate patch cable assembly for your application, please contact Legrand support.

PATCH CORDS

Sample patch cord Part Numbers

Connector A	Connector B	Polarity	Form Factor	Cable Type	OS2	OM4	OM5
LC	LC	A-B	Duplex	OFNP	L1-0101B2JYD0002M	L1-0101B2EAD0002M	L1-0101B2HLD0002M
LC	SC	A-B	Duplex	OFNP	L1-0102B2JYD0002M	L1-0102B2EAD0002M	L1-0102B2HLD0002M
LC Uniboot	MDC	A-B	Uniboot	OFNP	L1-802JB2JYB0002M	L1-802JB2EAB0002M	L1-802JB2HLB0002M

Example Part Number:

L1	01	01	B	2	J	Y	D	0	002	M
1	2	3	4	5	6	7	8	9	10	11

Patch Cord Configuration Table

(1.) Performance Tier	(2.) Connector A	(3.) Connector B	(4.) Polarity	(5.) Cable Diameter	(6.) Fiber Type	(7.) Jacket Color	(8.) Cable Type	(9.) Options	(10.) Length	(11.) Unit of Measure
Patch Cables										
L1 = Core L3 = Ultra L4 = Quantum	01 = LC 02 = SC 03 = ST 05 = LC APC 06 = SC APC	01 = LC 02 = SC 03 = ST 05 = LC APC 06 = SC APC	A = A-A B = A-B	2 = 2mm 3 = 3mm	E = OM4 H = OM5 J = OS2	A = Aqua L = Lime Y = Yellow	1 = Riser Simplex 2 = Riser Duplex Zip D = Plenum Duplex Zip S = Plenum Simplex Zip	0 = Test Standard No spool No pulling eye	001 = 1 002 = 2 003 = 3 005 = 5 010 = 10	F = Feet M = Meters
	80 = LC Uniboot 2J = MDC 2P = SN	80 = LC Uniboot 2J = MDC 2P = SN		2 = 2mm			A = Riser 2F Round Interconnect B = Plenum 2F Round Interconnect			

TRUNKS

Sample Trunk Part Numbers

Connectors	Fiber Count	Pinning	Polarity	Cable Type	OS2	OM4
MTP Pro - MTP Pro	8	Non-Pinned Non-Pinned	B	OFNP	C6363B3705JMM2030M	C4747B3705EMM2030M
	12				C6363B3707JMM2030M	C4747B3707EMM2030M
acclAIM - acclAIM	8		C		CAMAMC3705JMM2030M	CAMAMC3705EMM2030M
	24				CAMAMC630AJMM2030M	CAMAMC630AEMM2030M
	48				CAMAMC630EJMM2030M	CAMAMC630EEMM2030M
	96				CAMAMC630JJMM2030M	CAMAMC630JEMM2030M
	144				CAMAMC630NJMM2030M	CAMAMC630NEMM2030M

Note: OM1, OM3, and OM5 are available; however, they are not depicted above.

Example Part Number:

C	AM	AM	C	63	0	A	J	M	M	Y	030	M
					0							
1	2	3	4	5		6	7	8	9	10	11	12

Trunk Configuration Table

(1.) Performance Tier	(2.) Connector A	(3.) Connector B	(4.) Polarity	(5.) Cable Type	(6.) Fiber Count	(7.) Fiber Type	(8.) Furcation A	(9.) Furcation B	(10.) Options	(11.) Length	(12.) Unit of Meaasure
LC, SC, ST Based Cord Assemblies											
C = Core U = Ultra Q= Quantum	00 = None 01 = LC 02 = SC 03 = ST 05 = LCA 06 = SCA	01 = LC 02 = SC 03 = ST 05 = LCA 06 = SCA	0 = Non-Clipped / No Fixed Polarity 1 = LC/SC A-A (Duplex Clipped Non-Standard) 2 = LC/SC A-B (Duplex Clipped Non-Standard)	26 = 900µm Distribution Armored I/O OFCP 16 = 900µm Distribution I/O OFNP 02 = 900µm Distribution OFNP 14 = 900µm Distribution Armored OFCP	2 = 2F 4 = 6F 7 = 12F A = 24F	E = OM4 H = OM5 J = OS2-A1	0 = None (Blunt) C = 900µm No Stagger Multi Color D = 900um Stagger Multi Color	C = 900µm No Stagger Multi Color D = 900um Standard Stagger Multi Color	0 = No Spool, No Pulling Eye, Label Standard Y = Manufacturer Spec, No Pulling Eye, Label Standard Z = Manufacturer spec Pulling-eye on side A, label standard N = Manufacturer spec Pulling-eye on both sides, label standard	LLL = Length requiring 3 digits Example: 001 = 1 010 = 10 100 = 100	F = Feet M = Meters
VSFF & Uniboot LC Based Cord Assemblies											
C = Core U = Ultra Q= Quantum	00 = None 80 = LC Uniboot 2P = SN 2J = MDC	80 = LC Uniboot 2P = SN 2J = MDC	0 = Non-Clipped / No Fixed Polarity 1 = A-A (Duplex Clipped Non-Standard) 2 = A-B (Duplex Clipped Non-Standard)	37 = 250µm uDist Interconnect 3mm OFNP 08 = 250µm uDist OFNP 2mm (12F Sub-units) 51 = 250µm I/O OFNP 32 = 250µm Indoor Armored 3mm OFCP	4 = 6F 5 = 8F 7 = 12F A = 24F E = 48F H = 72F J = 96F N = 144F	E = OM4 H = OM5 J = OS2-A1	0 = None (Blunt) F = 2mm Stagger Single Color E = 2mm No Stagger Single Color	F = 2mm Standard Stagger Single Color E = 2mm No Stagger Single Color	0 = No Spool, No Pulling Eye, Label Standard Y = Manufacturer Spec, No Pulling Eye, Label Standard Z = Manufacturer spec Pulling-eye on side A, label standard N = Manufacturer spec Pulling-eye on both sides, label standard	LLL = Length requiring 3 digits Example: 001 = 1 010 = 10 100 = 100	F = Feet M = Meters

Trunk Configuration Table Continued

(1.) Performance Tier	(2.) Connector A	(3.) Connector B	(4.) Polarity	(5.) Cable Type	(6.) Fiber Count	(7.) Fiber Type	(8.) Furcation A	(9.) Furcation B	(10.) Options	(11.) Length	(12.) Unit of Measure
MPO Based Cord Assemblies											
C = Core U = Ultra Q= Quantum	**Up to 24F only** 01 = LC 02 = SC 03 = ST 05 = LCA 06 = SCA	46 = MTP MM Pinned 12 47 = MTP MM Non-Pinned 12 46 = MPO MM Pinned 12 47 = MPO MM Non-Pinned 12 62 = MPO SM Pinned 12 63 = MPO SM Non-Pinned 12 80 = LC Uniboot 2P = SN 2J = MDC	A = MPO-MPO or VSFF Type A: 1-1, 12F, (MPO Standard) B = MPO-MPO or VSFF Type B: 1-1, 12F, Physically Flipped C = MPO-MPO Type C:1-1, 12F, Reverse Pair A = MPO-SFC, 1-12 Type A Transition Harness T = MPO-SFC, 1-12 Universal Flipped Fiber Harness (U2) U = MPO-SFC, 1-12 Universal Fiber Harness (U1)	37 = 250µm uDist Interconnect 3mm OFNP	5 = 8F 7 = 12F	E = OM4 H = OM5 J = OS2-A1	0 = None (Blunt) **MPO** N = MPO Stagger M = MPO No Stagger **SFF or VSFF** F = 2mm Stagger Single Color E = 2mm No Stagger Single Color Note: If SFF or VSFF on side A, side B must be MPO	**MPO** N = MPO Standard Stagger M = MPO No Stagger **SFF or VSFF** F = 2mm Standard Stagger Single Color E = 2mm No Stagger Single Color Note: If SFF or VSFF on side B, side A must be MPO	0 = No Spool, No Pulling Eye, Label Standard Y = Manufacturer Spec, No Pulling Eye, Label Standard Z = Manufacturer spec Pulling-eye on side A, label standard N = Manufacturer spec Pulling-eye on both sides, label standard	LLL = Length requiring 3 digits Example: 001 = 1 010 = 10 100 = 100	F = Feet M = Meters
	00 = None 46 = MPO MM Pinned 12 47 = MPO MM Non-Pinned 12 62 = MPO SM Pinned 12 63 = MPO SM Non-Pinned 12 80 = LC Uniboot			08 = 250µm uDist OFNP 2mm (12F Sub-units) 51 = 250µm I/O OFNP 32 = 250µm Indoor Armored 3mm OFCP	E = 48F A = 24F H = 72F J = 96F N = 144F						
	Ultra & Quantum Only 83 = MPO MM Pinned 12 84 = MPO MM Non-Pinned 12 85 = MPO SM Pinned 12 86 = MPO SM Non-Pinned 12	**Ultra & Quantum Only** 83 = MPO MM Pinned 12 84 = MPO MM Non-Pinned 12 85 = MPO SM Pinned 12 86 = MPO SM Non-Pinned 12									

Trunk Configuration Table Continued

(1.) Performance Tier	(2.) Connector A	(3.) Connector B	(4.) Polarity	(5.) Cable Type	(6.) Fiber Count	(7.) Fiber Type	(8.) Furcation A	(9.) Furcation B	(10.) Options	(11.) Length	(12.) Unit of Measure
acc*lAIM* (AIM) Based Cord Assemblies											
C = Core U = Ultra Q = Quantum	AM = *acclAIM* 46 = MPO MM Pinned 12 47 = MPO MM Non-Pinned 12 62 = MPO SM Pinned 12 63 = MPO SM Non-Pinned 12 **Ultra & Quantum Only** 83 = MPO MM Pinned 12 84 = MPO MM Non-Pinned 12 85 = MPO SM Pinned 12 86 = MPO SM Non-Pinned 12	AM = *acclAIM*	C = *acclAIM*-*acclAIM* Type C (*acclAIM* Standard) T = MPO-*acclAIM*, 1-12 Universal Flipped Fiber Harness (U2) U = MPO-*acclAIM*, 1-12 Universal Fiber Harness (U1)	37 = 250µm uDist Interconnect 3mm OFNP	5 = 8F	E = OM4 H = OM5 J = OS2-A1	N = *acclAIM* Stagger	N = *acclAIM* Standard Stagger	0 = No Spool, No Pulling Eye, Label Standard Y = Manufacturer Spec, No Pulling Eye, Label Standard y = please add: Z = Manufacturer spec Pulling-eye on side A, label standard N = Manufacturer spec Pulling-eye on both sides, label standard	LLL = Length requiring 3 digits Example: 001 = 1 010 = 10 100 = 100	F = Feet M = Meters
	01 = LC 05 = LCA 80 = LC Uniboot 2P = SN 2J = MDC	AM = *acclAIM*	A = *acclAIM*-SFC or VSFF Type A	39 = 250µm uDist Interconnect 2mm OFNP 37 = 250µm uDist Interconnect 3mm OFNP	5 = 8F		F = 2mm Stagger Single Color E = 2mm No Stagger Single Color	N = *acclAIM* Standard Stagger			
	24F only 01 = LC 05 = LCA	AM = *acclAIM*	A = *acclAIM*-SFC or VSFF Type A	63 = 250µm uDist 2mm OFNP (8F Sub-Units)	A = 24F E = 48F H = 72F J = 96F N = 144F		N = *acclAIM* Stagger M = *acclAIM* No Stagger F = 2mm Stagger Single Color E = 2mm No Stagger Single Color	N = *acclAIM* Stagger M = *acclAIM* No Stagger			
	AM = *acclAIM* 80 = LC Uniboot 2P = SN 2J = MDC										
	00 = None	AM = *acclAIM*	0 = No Fixed Polarity (Blunts)	37 = 250µm uDist Interconnect 3mm OFNP	5 = 8F		0 = None (Blunt)	N = *acclAIM* Standard Stagger			
				20 = 250µm Bare Ribbon	A = 24F		0 = None (Blunt)	N = *acclAIM* Standard Stagger			
				08 = 250µm uDist 2mm OFNP (12F Sub-units)	A = 24F		0 = None (Blunt)	N = *acclAIM* Standard Stagger			

SPLICING SOLUTIONS

Fusion Splice-On Connectors

Description		Part Numbers					
Connector Style	Jacket Size	OS2	OS2 (APC)	OM1	OM3/OM4	OM4	OM5
LC	900 µm	205KNF9SA-09		205KNF9GA-62	205KNF9GA-50T	205KNF9GA-50E	205KNF9GA-50W
	3.0 mm	205KNF3SA-09		205KNF3GA-62	205KNF3GA-50T	205KNF3GA-50E	205KNF3GA-50W
LC 50-Pack	900um	205KNF9SD-09	205KNF9MD-09	205KNF9GD-62	205KNF9GD-50T	205KNF9GD-50E	205KNF9GD-50W
LC APC	900 µm	205KNF9MA-09					
	3.0 mm	205KNF3MA-09					
SC	900 µm	205KNF9RA-09		205KNF9FA-62	205KNF9FA-50T	205KNF9FA-50E	
	3.0 mm	205KNF3RA-09		205KNF3FA-62	205KNF3FA-50T	205KNF3FA-50E	
SC APC	900 µm	205KNF9LA-09					
	3.0 mm	205KNF3LA-09					
ST	900 µm	205KNF9QA-09		205KNF9EA-62	205KNF9EA-50T		
	3.0 mm	205KNF3QA-09		205KNF3EA-62	205KNF3EA-50T		



205KNF9SA-09



205KNF9GA-50E

Field Installable Mechanical Connectors

Description	Part Number		
Connector Style	OS2	OM1	OM3
LC	205KNT9SA-09	205KNT9GA-62	205KNT9GA-50T
SC	205KNT9RA-09	205KNT9FA-62	205KNT9FA-50T
SC APC	205KNT9LA-09		



205KNT9FA-50T

2 Meter Simplex LC Pigtail (900um)

Fiber Count	OS2	OM4
6 Fiber	PCSLC06900RB02M	PC4LC06900RB02M
12 Fiber	PCSLC12900RB02M	PC4LC12900RB02M

acclAIM Pigtail

Fiber Construction	OS2	OM4	OM5
8F Micro-Distribution	C00AMC37S5J0M0003M	C00AMC37S5E0M0003M	C00AM037S5H0M0003M
24F Micro-Distribution	C00AM010SAJ0M0003M	C00AM0100AE0MY003M	C00AM0100AH0MY003M
24F Bare Ribbon	C00AM020SAJ0MY003M	C00AM020SAE0MY003M	C00AM020SAH-0MY003M
48F Rollable Ribbon	C00AM0780EJ0M0005M		

SPLICING SOLUTIONS

Keyed Splice-On Connectors

Connector	Pack Quantity	OS2	OM4
LC	6	205KKF9SA-09x	205KKF9GA-50Ex
	50	205KKF9SD-09x	205KKF9GD-50Ex

NOTE: x in the part number indicates color, replace x with: A (Rose), B (White), C (Yellow), D (Red), E (Orange), F (Violet), G (Gray), H (Blue), J (Brown), K (Aqua), L (Magenta), M (Green), U (Black)

Breakout Kit

6 Fiber Breakout Kit	61500868
12 Fiber Breakout Kit	61500858

Splice Tray

Q-Series Rack-Mount Enclosure 144F	FST3-A144
Q-Series Rack-Mount Enclosure 12F	FST2-F012
Q-Series Rack-Mount Enclosure 48F	FST3-F048
Q-Series Wall-Mount Enclosure 12F	FST4-F012C
Q-Series Wall-Mount Enclosure Mounting Bracket	WQS-STB

Splice Equipment

Splice-On Connector Curing Oven	20500384
Splice-On Connector Crimp Tool	20500385

Splice Holders (Compatibility)

AFL SoC Holder (12S, 19S, 31S, 60S, 70S, 90S)	20500371
AFL Cordage Holder (12S, 19S, 31S, 60S, 70S, 90S)	20500383
FIS SoC Holder (CA3, Mini6S)	20500369
FIS SoC Holder (Universal)	20500368
FITEL SoC Holder (S123, S153, S178, S179, NINJA)	20500373
FITEL Cordage Holder (S123, S153, S178, S179, NINJA)	20500382
Lisintech SoC (K4)	20500416
Sumitomo SoC Holder (Q101, Q102CA, T56, QH201, T400S)	20500366
Trend Network SOC Holder	20500433

Heat Shrink Sleeves

40mm long, 2.5mm diameter - 50 Pack	20500337
40mm long, 3mm diameter - 50 Pack	20500043
40mm long, 5mm diameter - 50 Pack	20500367

TESTING AND CLEANING SOLUTIONS

Test Cables

One Jumper OS2 MDC Test Reference Cable	SCMDC-MDC-TRC-OS2
Three-Jumper OS2 MDC Reference Cable Test Kit	MDC-TEST-KIT-OS2
OS2 SN Reference Cable Test Kit	S1J-TEST-KIT-OS2
OM4 SN Reference Cable Test Kit	S1J-TEST-KIT-OM4

Cleaning Tools

MDC Cleaning Tool	MDC-CLEANER
acclAIM Cleaning Tool	AIM-CLEANER

APPROVED NETWORKS

Approved Networks, a brand of Legrand, is an industry leader and authority in the programming, testing, and distribution of high-quality OEM optical networking solutions. We provide networking solutions that are backed by best-in-class engineering and testing—offering technical, logistical, and sales support to discerning global enterprise, data center, broadband, and building network applications operating in the toughest networking environments.

Our transceivers, high-speed cables, and passives are the ideal solution to meet the demands of a challenging and constantly evolving market. Approved Networks' commitment to our fiber optics customers and partners results in high-quality, reliable networking solutions offering speed, efficiency, and affordability. Our fiber optics adhere to strict MSA standards for form, fit, and function. In addition, every customer benefits from an industry-leading lifetime warranty, ensuring confidence and long-term value.

By partnering with leading global manufacturers, we provide:

- 100% guaranteed compatibility with over 100+ switch, router, and server platforms
- Extensive inventory for same-day shipping, with a 98% on-time delivery rate
- Average savings of up to 80% on OEM prices by partnering with the same Tier 1 transceiver contract manufacturers as major OEMs

What truly sets us apart is our commitment to exceptional customer service. We work closely with you to simplify the complexities of hardware architecture and ensure seamless compliance throughout your network. This dedication has earned the trust of some of the world's largest data centers—including those in telecommunications, corporate, and government sectors—who rely on Approved Networks for dependable, high-performance solutions.

TESTED. TRUSTED. APPROVED.

Approved Networks provides state-of-the-art transceivers that deliver reliable performance and easy integration. We have established strong partnerships with customers, network equipment manufacturers (NEMs), and optical contract manufacturing (OCM) partners to offer comprehensive interoperability solutions that ensure uninterrupted data transmission. Our advanced testing facilities enable us to conduct rigorous testing procedures that meet the highest standards, ensuring our products are ready to seamlessly operate within your networks. Additionally, our transceivers are uniquely programmed for their designated switches, ensuring 100% compatibility and a risk-free procurement process for you. With Approved Networks, you can trust that you will receive quality products and services.

Approved Networks

3 Com	Adtran	Adva	Aerohive	Alcatel	Allied Telesis	Alvarion
Arista	Aruba	Asus	Avaya	Blade Networks	Brocade	BTI
Calix	Ceragon	Check Point	Chelsio	Ciena	Cisco	D-Link
DELL	Delta	ECI Telecom	Enterasys	Extreme	F5 Networks	Finisar
Fluke Networks	Force10	Fortinet	Foundry	FTTX	Fujitsu	Gigamon
H3C	HP	Huawei	IBM	Intel	JDSU	Juniper
Linksys	Marconi	Mellanox	Meraki	MRV	Netgear	Nokia
Nortel	Nutanix	Oplink	Overture	Palo Alto	Pannaway	Planet
Rad Group	Redback	Riverbed	Riverstone	Sixnet	SMC	Sun
Sunrise	Telecom	Tejas Networks	Telco Systems	TP Link	Transition Networks	TRENDnet
Ubiquiti	XKL	Zhone	ZTE	Zyxel		

Transceiver Offering

800 Gigabit	400 Gigabit	200 Gigabit	100 Gigabit	40 Gigabit	25 Gigabit	10 Gigabit	1 Gigabit
							
Form Factor: OSFP Variations: VR8, SR8, DR8	Form Factor: OSFP, QSFP-DD Variations: DR4, DR4+, DR4++, FR4, LR4, LR8, ER8, ER8L, SR8, ZR, ZR+	Form Factor: QSFP-DD Variations: LR4, LR4-3	Form Factor: CFP2, CFP4, QSFP28 Variations: SR10, SR4, PSM4, CWDM4, LRL4, PLRL4, PLR4, LR420, LR425, ER4, ER4L, OTU4, OC-768, COHERENT	Form Factor: CFP, QSFP+ Variations: SR4, BIDI, CSR4, UNIVERSAL, LRL4, PLRL4, LR4, PLR4, LR20, LR40, ER4, OC-768, OTU3	Form Factor: SFP28 Variations: SR, LR, Dual Rate	Form Factor: XFP, SFP+ Variations: SX, LX, EX, ZX, EZX, BX, GPON, GEPON, CWDM, DWDM, Copper-T	Form Factor: GBIC, SFP Variations: USR, SR, LR, LRM, ER, ZR, BX, OC-192, CWDM, DWDM, CX4, LX4, PON, XGSPON, 10GBase-T

Scan QR code to learn more and find supporting documentation.

FIBER EXPRESS SHIP PROGRAM

At Legrand, we understand that projects often can't afford delays due to tight deadlines, client expectations, or unexpected changes. To keep your projects on track, we are happy to present our Fiber Express Ship program, which delivers next-day shipping for fiber patch cords and trunks in partnership with our trusted distributors. Navigating tight deadlines, demanding client expectations, or unforeseen changes? With a vast selection of products available through this quick shipping program, you can get exactly what you need, right when you need it—helping to keep your projects on schedule.

HOW IT WORKS:

- Work with your distribution sales representative to place an order.
- Select eligible products.
- Select your preferred shipping method and provide your shipping account number.
- Cut-off times and capacity constraints apply; please contact your distribution sales representative for details.
- Your order will ship next business day*.

*Terms & Conditions apply, see FAQ below.

Scan QR code to learn more and find supporting documentation.

TRAINING, EDUCATION AND CERTIFICATION

EDUCATION

With technology constantly evolving, technology requirements changing, new product and solutions offered, new installation practices needed, it is a challenge to keep up with everything. Whether it is to help someone do their job more efficiently or expand their capabilities, or to help a company learn about new options and technology to better meet their needs or expand their business, Legrand understands that the only effective education and training is one that meets the needs of the learner.

Data Infrastructure (DAT), part of the Data, Power and Control (DPC) Division of Legrand, offers a variety of learning experiences. There is industry training to help keep up with new technologies and solutions, best practices and other relevant topics. There is also training for our certified contractor partners that helps them learn installation tips and tricks, best practices for installing a variety of products and solutions, requirements to maximize the performance of the structured cabling being installed, along with providing peace-of-mind for customers working with a certified contractor.

INDUSTRY TRAINING

Legrand (DAT) offers a host of training for all facets of our industry. A host of additional courses can be found on the Legrand University (go.bluevolt.com/Legrand). Our industry experts are able to offer specialized courses on a variety of topics. Many of our courses are available for BICSI CECs as well. Customized training can be offered, also. Topics include, but are not limited to the following:

- Data Center Technologies & Solutions
- Smart Building Technologies & Solutions
- Edge Solutions
- Current Industry Topics
- Technology Trends
- Market and application specific solutions (i.e. Data Center, Edge, Smart Building, Healthcare, Education, Financial, Retail, etc.)

TRAINING FOR CERTIFIED CONTRACTOR PARTNERS

Proper application & design, as well as proper installation, are among the critical pillars necessary to bring reliable high-speed data information transport systems to our end users. To ensure proper practices are followed; while providing the appropriate information relevant for different roles, DAT offers two levels of courses for our contractor partners. DAT also provides customized training as requested. This could be splicing training for a contractor just beginning to use splicing or training on time-savings installation practices, etc.

Courses are offered in-person and online. All guidelines and best practices discussed are within TIA requirements and BICSI best practices. The manager-level course is designed to provide top-level managers with the latest information on the telecommunications industry standards requirements, installation efficiency tips, new DAT products and programs, and discussions on topics like the Internet of Things, smart buildings, power over Ethernet (PoE), edge, and data centers, to name a few.

There is also training for the field technician that provides comprehensive information and practical skills for terminating and installing DAT products (copper, fiber, physical support), testing and troubleshooting, tips and tricks to save time and requirements for warranty certification.

CERTIFIED CONTRACTOR PROGRAM

Knowledgeable, experienced and well-trained contractors ensure a better return on investment for the end customer's network investment. Contractor certification is an important component of successful installations that is often overlooked. DAT (Ortronics brand), part of the DPC has developed comprehensive certification programs that provide project design and installation services assurance for our partners.

Certification is at the company level, not individual, although individuals must complete training as part of the company's commitment to being a certified contractor. Only certified contractor companies may offer an extended warranty on behalf of DAT (Ortronics brand), of the DPC Division. An extensive network of qualified Legrand Certified Contractors is available globally. Three distinct tier levels have been created to provide support for each project's unique requirements.

CIP-Elite	CIP	CI
▪ Best partner ▪ Beneficial advantages of industry leaders working together ▪ Highest value to end customer ▪ Capable of supporting national end users ▪ Defined business plan ▪ BICSI RCDDs on staff ▪ Meets training requirements ▪ Proactive Sales Strategy ▪ Value added go-to-market strategy ▪ Knowledge about the latest options for copper and fiber connectivity, racks, cabinets, physical supports, and power for building networks and data center infrastructure ▪ May extend nCompass Limited Lifetime Warranty ▪ May extend 25-year Warranty	▪ Good business partner ▪ Mid to larger contractor ▪ Local projects ▪ BICSI RCDDs on staff ▪ Project management capabilities ▪ Meets training requirements ▪ Knowledge about the latest options for copper and fiber connectivity, racks, cabinets, physical supports, and power for building networks and data center infrastructure ▪ May extend nCompass Limited Lifetime Warranty ▪ May extend 25-year Warranty	▪ A smaller contractor ▪ An entry level tier to evaluate new partners ▪ Small projects, MAC & discretionary (cords, jacks) business ▪ Meets training requirements ▪ Access to product & solutions training and information ▪ May extend 25-year Warranty

Contractor company certification must be approved by the Data Infrastructure, DPC Division local sales agency, sales management and training department management. To inquire about becoming a certified contractor company, or if you are looking for a certified contractor for a project, contact your local sales agency. Use the Where To Buy link in the upper right corner of the page (https://www.legrand.us/where-tobuy/shop-local). Select Sales Rep for "Where to Buy" Ortronics or Quiktron for the "Brand Name" and select the best category that identifies "Who you are".

Scan QR code to learn more and find supporting documentation.

FIELD SALES ENGINEERING

FLAWLESS DEPLOYMENT OF YOUR SNAP PROJECT

Legrand is transforming the way IT infrastructure is being deployed. Simplify installation and maintenance by utilizing the Legrand Field Sales Engineering team. This value-added resource is comprised of highly skilled engineers and product managers that represent the service and support layer of Legrand. Our team will help support your Clarity SNAP Copper Structured Cabling System projects – delivering practical solutions to common problems, flawless deployment, and immediate return on your investment.

FIELD SALES ENGINEERING PROVIDES:

Design Support

- Detailed planning for growth and scalability
- Layouts
- Drawings
- Situational Analysis
- RFI/RFP Review

Implementation

- Tech Support
- Product Training
- Installation Support
- Specification Validation
- Configuration Support
- Specification Document Review

To engage Legrand's Field Sales Engineering Team
Email: PSET@LEGRAND.US
Phone Number: 1.877.717.0498

Scan QR code to learn more and find supporting documentation.

WARRANTIES

BASIC WARRANTY

The basic warranty covers Legrand Data Infrastructure product sold through authorized channels.

- Guarantees product repair or replacement, excluding labor costs, from the time of purchase for the term listed below.
  - Connectivity, physical support & cable management – 5 yrs.
  - Transceivers – 10 yrs.
  - Other Active Devices – 1 yr.
- This warranty does not require product to be installed by a certified contractor company or to be registered.

25-YEAR CERTIFIED WARRANTY & INSTALLATION

This warranty can be extended when installed by a Legrand Data Infrastructure certified contractor company, at any tier.

- Guarantees product repair or replacement including labor costs.
- A DAT certified contractor company, in good standing, must install the connectivity. Cable is included if it is Superior Essex cable (approved cable only) installed by the certified contractor company. (There are no other approved cable manufacturers.)
- All requirements of the Legrand certification and warranty program must be met, which includes having the certified contractor company register the project for warranty.

NCOMPASS LIMITED LIFETIME WARRANTY

Legrand also offers the best warranty in the industry, the nCompass Limited Lifetime warranty with Superior Essex®. To qualify for an nCompass warranty, the structured cabling solution must be comprised of Ortronics connectivity and the corresponding Superior Essex cable. Premium solutions provide headroom above the standards. The complete range of nCompass structured cabling systems are defined on data sheets created for each solution. These data sheets are available at nCompass-systems.com.

The nCompass Premium Limited Lifetime Warranty guarantees product repair or replacement from the time of purchase including labor costs. Performance is guaranteed above the standards and is stated on the specific solutions data sheet. This warranty is issued when a Legrand Data Infrastructure (Ortronics) Certified Contractor Company (CIP-Elite or CIP) installs approved Superior Essex cable and Ortronics connectivity, including Clarity® patch cords by Legrand. This set of solutions include a fiber solution that only has 0.75dB total connection loss in a channel consisting of 100 meters of MM or SM fiber, along with a cassette and patch cord at each end. This solution is unmatched in the industry today.

Go to ncompass-systems.com for more information about nCompass solutions and warranties.

To learn more visit

legrand.us/network-infrastructure

©2025 Legrand. All rights reserved. The industry-leading brands of Approved Networks, Ortronics, Raritan, Server Technology, and Starline empower Legrand's Data, Power & Control to produce innovative solutions for data centers, building networks, and facility infrastructures. Our division designs, manufactures, and markets world-class products for a more productive and sustainable future. The exceptional reliability of our technologies results from decades of proven performance and a dedication to research and development. LIT# V2294

Approved Networks, LLC
800.590.9535
approvednetworks.com

Raritan Americas, Inc.
800.724.8090
raritan.com

Server Technology, Inc
800.835.1515
servertech.com

Starline Holdings, LLC
724.597.7800
starlinepower.com

Legrand
877.295.3472
legrand.us

