

Product Data Sheet

Dynamic Fiber Conversion System, 10-GbE

Overview

The Dynamic Fiber Conversion System enables you to take advantage of 10-GbE connectivity.

Choose from:

- 10-GbE XFP to XFP, 2-Slot Chassis (LMC11002A)
- 10-GbE SFP+ to SFP+ 2-Slot Chassis (LMC11012A)
- 10-GbE SFP+ to XFP, 2-Slot Chassis (LMC11022A)

Desktop Managed Media:

- (1) 10GBASE-T port to (1) SFP+ Slot (LMC11032A)
- (1) 10GBASE-T port to (1) XFP Slot (LMC11042A)

Basic Features

- Provides 10-GbE extension.
- Multimode and single-mode fiber transceivers available.

General Specifications

Approvals	CE
Power	100–120 VAC, 60 Hz, 0.2 A
Dimensions	1"H x 3.1"W x 4.8"D (2.5 x 7.8 x 12.2 cm)
Weight	1 lb. (0.45 kg)



LMC11012A

Dynamic Fiber Conversion System, 10-GbE Product Data Sheet

Comparison Chart: Dynamic Fiber Conversion System

Empty Chassis	LMC11002A	LMC11012A	LMC11022A
Compatible Transceivers	10-GbE XFP modules: LXP-10G-MMLC, LXP-10G-SMLC10	10-GbE SFP+ modules: LSP421, LSP422	10-GbE SFP+ and XFP modules: LXP-10G-MMLC, LXP-10G-SMLC10, LSP421, LSP422
Supported Media	Multimode, 850-nm fiber, LC connectors, 300 meters; Single-Mode, 1310-nm, fiber, LC connectors, 10 km	Multimode, 850-nm fiber, LC connectors, 300 meters; Single-Mode, 1310-nm, fiber, LC connectors, 10 km	Multimode, 850-nm fiber, LC connectors, 300 meters; Single-Mode, 1310-nm, fiber, LC connectors, 10 km
Transceiver Module	Compatible Chassis	Maximum Distance	Connectors
LXP-10G-MMLC	LMC11002A, LMC11022A	300 m	Multimode fiber extension, 850-nm, LC
LXP-10G-SMLC10	LMC11002A, LMC11022A	10 km	Single-mode fiber extension, 1310-nm, LC
LSP422	LMC11012A, LMC11022A	10 km	Single-mode fiber extension, 1310-nm, LC
LSP421	LMC11012A, LMC11022A	300 m	Multimode fiber extension, 850-nm, LC

Comparison Chart: Desktop Managed Media

Product Code	LMC11042A	LMC11032A
Fixed Port	(1) 10GBASE-T port	(1) 10GBASE-T port
Empty Slot	XFP	SFP+
Compatible Transceivers	LXP-10G-MMLC, LXP-10G-SMLC10	LSP422 LSP421

Comparison Chart: Transceivers

Product Code	Description
LXP-10G-SMLC10	10GBASE-LR XFP, Single-Mode, 1310-nm, LC, 10 km
LXP-10G-MMLC	10GBASE-LR XFP, Multimode, 850-nm, LC, 300 m
LSP422	10GBASE-SR SFP+, 1310-nm Single-mode, 10 km, LC
LSP421	10GBASE-SR SFP+, 850-nm Multimode, 300 m, LC

Dynamic Fiber Conversion System, 10-GbE, 2-Slot Chassis

Features

- Compact, two-slot chassis for plugging in two XFP, two SFP+, or one XFP and one SFP+ transceiver(s) (available separately).
- Protocol transparent for 10-Gigabit (10-GbE) links within the 9.95 Gbps–11.32 Gbps range.
- Great for telecoms and enterprises requiring both 10-GbE media conversion and fiber extension.



LMC11002A

LMC11002A, LMC11012A, LMC11022A Specifications

Approvals	CE
MTBF	250,000 hours (estimated)
Connectors	LMC11002A: XFP; LMC11012A: SFP+; LMC11022A: XFP/SFP+
Power	Input Voltage: 100–120 VAC, 60 Hz; Input Power/Watts: 0.2 A
Dimensions	1"H x 3.1"W x 4.8"D (2.5 x 7.8 x 12.2 cm)
Weight	1 lb. (0.45 kg)

Compatible SFP+ Transceivers

Product Code	XFP or SFP+
LXP-10G-SMLC10	XFP
LXP-10G-MMLC	XFP
LSP422	SFP+
LSP421	SFP+

Dynamic Fiber Conversion System Desktop Managed Converter, (1) 10GBASE-T Port to (1) SFP+ Slot or (1) 10GBASE-T Port to (1) XFP Slot

Features

- Compact features (1) 10GBASE-T port plus a slot for an SFP+ or XFP transceiver (available separately).
- Protocol transparent for 10-Gigabit (10-GbE) links within the 9.95 Gbps–11.32 Gbps range.
- Great for telecoms and enterprises requiring both 10-GbE media conversion and fiber extension.



LMC11032A

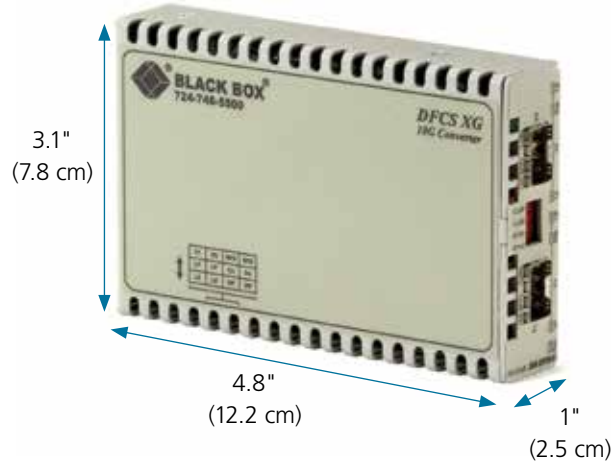
LMC11032A, LMC11042A Specifications

Approvals	CE
MTBF	250,000 hours (estimated)
Connectors	LMC11032A: SFP+; LMC11042A: XFP
Power	Input Voltage: 100–120 VAC, 60 Hz; Input Power/Watts: 0.2 A
Dimensions	1"H x 3.1"W x 4.8"D (2.5 x 7.8 x 12.2 cm)
Weight	1 lb. (0.45 kg)

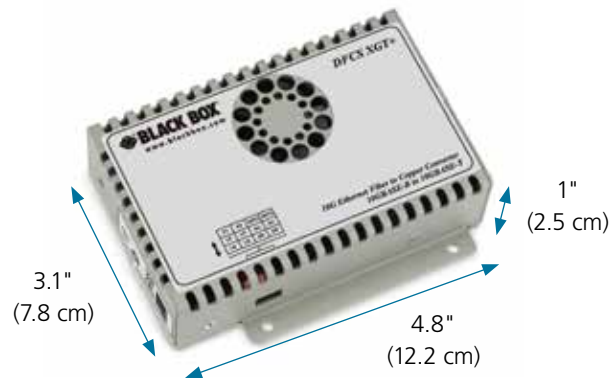
Compatible SFP+ Transceivers

Product Code	XFP or SFP+
LXP-10G-SMLC10	XFP
LXP-10G-MMLC	XFP
LSP422	SFP+
LSP421	SFP+

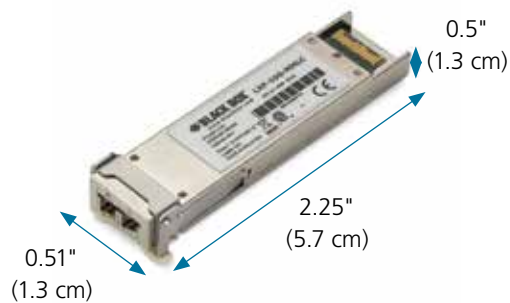
Dimensional diagram for LMC11002A, LMC11012A, LMC11022A.



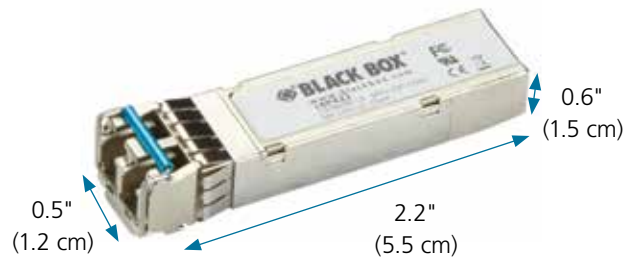
Dimensional diagram for LMC11032A, LMC11042A.



Dimensional diagram for LXP-10G-SMLC10, LXP-10G-MMLC (XFP Modules).



Dimensional diagram for LSP421 and LSP422 (SFP+ Modules).



Ordering Information

Item	Code
Dynamic Fiber Conversion System	
Chassis	
10-GbE XFP to XFP, 2-Slot	LMC11002A
10-GbE SFP+ to SFP+, 2-Slot	LMC11012A
10-GbE SFP+ to XFP, 2-Slot	LMC11022A
Desktop Managed Converter	
(1) 10GBASE-T to (1) SFP+ Slot	LMC11032A
(1) 10GBASE-T to (1) XFP Slot	LMC11042A
You will might also need...	
Transceiver Modules	
10GBASE-LR XFP, Single-Mode, 1310-nm, LC 10 km	LXP-10G-SMLC10
10GBASE-SR SFP+, Multimode, 850-nm, LC 300 m	LXP-10G-MMSC
Transceiver Modules with External Diagnostics	
10GBASE-LR SFP+, Single-Mode, 1310-nm, LC 10 km	LSP422
10GBASE-LR SFP+, Multimode, 850-nm, LC 300 m	LSP421

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