CORNIX

PRODUCT DATASHEET

CNX-DS-F54-002 · REV 1.0 · 06 OCTOBER 2026

FIBER MANAGEMENT & ENCLOSURES · FIBER OPTIC PATCH PANEL (LOADED)

High-Density Loaded Fiber Patch Panel, 144F LC, 1U

19-INCH RACK-MOUNT · FACTORY-LOADED ADAPTERS · LC / SC / MTP

PART NO. **CX-FN-144-LC-1U-HD**

Also marked on products / QR labels as: CX-FN-HD-144-LC-1U

PRODUCT ILLUSTRATION



144 fibers	1U, 19-inch	Aluminum	435 × 470 × 44 mm
CAPACITY	RACK HEIGHT	MATERIAL	DIMENSIONS (W × D × H)

OVERVIEW

19-inch rack-mount fiber patch panels supplied with adapters factory-loaded, developed to terminate and patch backbone and horizontal fiber in data centers, telecom rooms and FTTx head-ends. Standard, high-density and MTP/MPO formats.

- 19-inch rack-mount, factory-loaded adapters
- Sliding drawer with integrated splice cassette
- Standard, high-density and MTP/MPO formats
- Cold-rolled steel, black powder coat
- Front access for fast patching and maintenance

APPLICATIONS

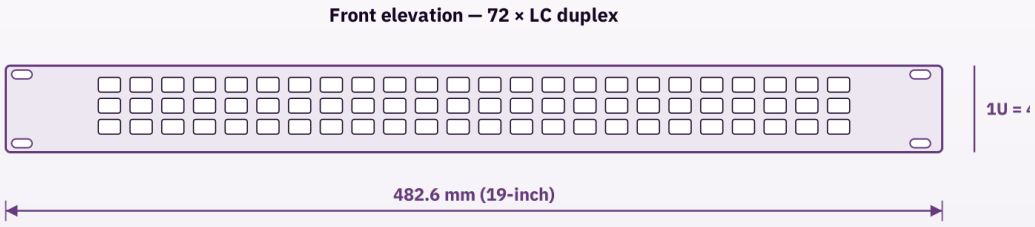
- Rack termination of backbone fiber
- Data center patch fields
- FTTx head-end and OLT rooms (APC versions)

STANDARDS & COMPLIANCE

RoHS compliant

Technical Specifications

High-Density Loaded Fiber Patch Panel, 144F LC, 1U · CX-FN-144-LC-1U-HD



FRONT ELEVATION (SCHEMATIC)

GENERAL

Capacity	**144 fibers**
Adapter type	**LC duplex, factory-loaded**
Rack height	**1U, 19-inch**

CONSTRUCTION

Format	**High-density 1U panel**
Material	**Aluminum**

PHYSICAL

Dimensions (W × D × H)	**435 × 470 × 44 mm**

ENVIRONMENTAL

Operating temperature	**-20 °C to +60 °C**

Performance, Quality & Ordering

CX-FN-144-LC-1U-HD

TEMPERATURE RANGE



FINAL QUALITY INSPECTION

QUALITY INSPECTED

Inspection item	Requirement
Dimensions & fit	Per drawing
Surface finish & color	No defects
Adapters / accessories	Complete per packing list
Labeling & packing	Per CORNIX label system

Every unit passes final visual, dimensional and accessory inspection before packing.

ORDERING INFORMATION

CX	FN	144	LC	1U	HD
CORNIX	Loaded patch panel	144 ports	LC connector	1 rack units	High density

Part number	Description
CX-FN-72-LC-1U-HD	High-Density Loaded Fiber Patch Panel, 72F LC, 1U
CX-FN-144-LC-1U-HD	**High-Density Loaded Fiber Patch Panel, 144F LC, 1U**
CX-FN-6-MTP-1U	MTP/MPO Adapter Panel, 6 Port, 1U
CX-FN-12-LC-1U	Loaded Fiber Patch Panel, 12 Port LC duplex, 1U
CX-FN-12-SC-1U	Loaded Fiber Patch Panel, 12 Port SC simplex, 1U
CX-FN-24-LC-1U	Loaded Fiber Patch Panel, 24 Port LC duplex, 1U
CX-FN-24-SC-1U	Loaded Fiber Patch Panel, 24 Port SC simplex, 1U

10 part numbers in this family — full list in the family datasheet.

Request a quote or technical support

Datasheets, test reports and samples available on request

rfq@cornixglobal.com
sales@cornixglobal.com
cornixglobal.com

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