

Overview

The Amphenol Network Solutions C2LINX fiber distribution panel is a game changer in the high-density market. It enables 144 terminations in one rack unit—the highest density with the best cable management features in the smallest footprint.

The C2LINX offers functionality and flexibility in a tray-based design. Currently available in 1RU, 2RU and 4RU, the C2LINX provides exceptional cable management that protects your fiber cables during moves, additions or changes.

Each C2LINX tray holds two modules that can be mixed and matched with patch only, patch and splice, splitters, DWDMs, WDMs, CWDMs, MPOs, TAPs and pre-terminated modules to cover any company's unique configuration.



Fig. 1: C2LINX 4RU

Key Benefits

- Mix and match patch-only modules, patch-and-splice modules, splitters, MPOs, TAPs, DWDMs, WDMs, CWDMs and pre-terminated modules in a single chassis
- Industry-leading termination density:

Termination Capacity	Rack Units
144 LC / 72 SC	1RU
288 LC / 144 SC	2RU
576 LC / 288 SC	4RU

- 19" and 23" mounting brackets with variable chassis mounting depth adjustment
- Doors include high-capacity designation cards
- Trays slide forward and backward for simple access to fibers and modules
- Front and back cable management links
- Adapters aligned straight across the front of each module for easy access
- Accommodates 1.6 mm or 1.2 mm fiber jumpers

Applications

- Data centers
- Central office
- CATV
- Wireless networks
- FTTx
- Optical distribution/cross-connect
- Small cell
- C-RAN
- DAS



Fig. 2: C2LINX tray with cable management

Cable Management

Amphenol Network Solutions designed the C2LINX panel portfolio with intelligent cable management in mind. Features ensure efficient routing while maintaining proper bend radius and protecting cables from getting pinched or damaged.

The platform uses fiber jumpers with diameters of 1.6 mm and 1.2 mm and short boots to achieve high density while protecting fiber bend radius. Cable management links are used in the front and back of each tray to manage fiber efficiently during tray access.

Microtabs along the links secure fiber in place.

Chassis Specifications

Height	Dimensions (H x W x D)	Module Capacity
1RU	1.75" x 17.4" x 18.25" (45 mm x 445 mm x 464 mm)	12

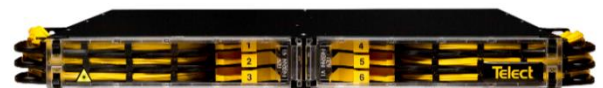


Fig. 3: C2LINX 1RU

Height	Dimensions (H x W x D)	Module Capacity
2RU	3.5" x 17.4" x 18.25" (89 mm x 445 mm x 464 mm)	24



Fig. 4: C2LINX 2RU

Height	Dimensions (H x W x D)	Module Capacity
4RU	7.0" x 17.4" x 18.25" (178 mm x 445 mm x 464 mm)	48



Fig. 5: C2LINX 4RU

Chassis

Part Number	Height	Dimensions (H x W x D)	Packaging Dimensions	Shipping Weight
H1000-CHS-06	1RU	1.75" x 17.5" x 18.25" (45mm x 445 mm x 464 mm)	5.5"H x 21"W x 21"D	15 lbs
H2000-CHS-12	2RU	3.5" x 17.5" x 18.25" (89 mm x 445 mm x 464 mm)	5.5"H x 21"W x 21"D	24 lbs
H4000-CHS-24	4RU	7.0" x 17.5" x 18.25" (178 mm x 445 mm x 464 mm)	9.5"H x 22"W x 22"D	35 lbs

Patch Modules

Part Number	Front Adapter Type	Front Port Count	Adapter Color	Fiber Type
HX-PC-12LCSU	Duplex LC	12	Blue	SM (OS2)
HX-PC-12LCSA	Duplex LC	12	Green	SM (OS2)
HX-PC-12LCMM	Duplex LC	12	Aqua	OM3/OM4
HX-PC-06SCSU	SC	6	Blue	SM (OS2)
HX-PC-06SCSA	SC	6	Green	SM (OS2)
HX-PC-06SCMM	SC	6	Aqua	OM3/OM4
HX-PC-04MSUD	MPO Type A	4	Black	SM (OS2)
HX-PC-04MMUD	MPO Type A	4	Aqua	OM4
HX-PC-04MMUU	MPO Type B	4	Aqua	OM4

Patch and Splice Modules

Part Number	Adapter Type	Front Port Count	Adapter Color	Pigtail
HX-SC-12LCSU-S	Duplex LC/UPC	12	Blue	Quantity 12 SM 250µm fibers
HX-SC-12LCSU-R	Duplex LC/UPC	12	Blue	Quantity 1 SM 12 fiber ribbon
HX-SC-12LCSA-S	Duplex LC/APC	12	Green	Quantity 12 SM 250µm fibers
HX-SC-12LCSA-R	Duplex LC/APC	12	Green	Quantity 1 OM3 12 fiber ribbon
HX-SC-12LCM4-S	Duplex LC/APC	12	Aqua	Quantity 12 OM4 250µm fibers
HX-SC-12LCM4-R	Duplex LC/UPC	12	Aqua	Quantity 1 12 fiber ribbon
HX-SC-12LCM3-S	Duplex LC/APC	12	Aqua	Quantity 12 OM3 250µm fibers
HX-SC-12LCM3-R	Duplex LC/APC	12	Aqua	Quantity 1 OM3 12 fiber ribbon

MPO Modules

Part Number	Description
HX-ML-12LC3A	AOM,MPO:MM,OM3,12F MPO,LC/UPC,12-PORT,METHOD A POLARITY,ULTRA LOW LOSS
HX-ML-12LC3B	AOM,MPO:MM,OM3,12F MPO,LC/UPC,12-PORT,METHOD B POLARITY,ULTRA LOW LOSS
HX-ML-12LC4A	AOM,MPO:MM,OM4,12F MPO,LC/UPC,12-PORT,METHOD A POLARITY,ULTRA LOW LOSS
HX-ML-12LC4B	AOM,MPO:MM,OM4,12F MPO,LC/UPC,12-PORT,METHOD B POLARITY,ULTRA LOW LOSS
HX-ML-12LCAA	AOM,MPO:SM 12F MPO, LC/APC,12-PORT,METHOD A POLARITY,ULTRA LOW LOSS
HX-ML-12LCAB	AOM,MPO:SM 12F MPO, LC/APC,12-PORT,METHOD B POLARITY,ULTRA LOW LOSS
HX-ML-12LCUA	AOM,MPO:SM 12F MPO, LC/UPC,12-PORT,METHOD A POLARITY,ULTRA LOW LOSS
HX-ML-12LCUB	AOM,MPO:SM 12F MPO, LC/UPC,12-PORT,METHOD B POLARITY,ULTRA LOW LOSS