



Description

Phy-FiXX™ is a revolutionary and advanced physical layer management suit providing enterprises with the ability to manage their Physical Layer infrastructure with a level of visibility & integration unique in the structured cabling industry. Using a combination of software, electronics and structured cabling products, Phy-FiXX™ enables users to track and manage their investment from planning through to design, procurement, installation, moves, adds and changes (MACs) and the eventual upgrade of the infrastructure, thereby spanning its entire lifecycle.

HCS Phy-FiXX™ FO Patch Panels are used within the Phy-FiXX™ System. Each 1U Patch Panel has one data bus connection port located on the rear of the panel. The data bus connection port connects the panel to the Phy-FiXX™ scanner via a standard RJ45 patch cord. The patch panel is used by the Phy-FiXX™ system to track connectivity in the patch zone and work area. LED status indicators on the panel show status of connectivity between the panel and the scanner and also provide panel guidance for work orders.

The adapter interface can contain 48 duplex LC ports (12 Duplex - 4 Cassette), 48 Simplex SC ports (12 SC x 4 Cassette) or MTP-MTP Cassettes terminations with Singlemode or Multimode options. The patch panel works as a conventional patch panel when not connected to the Phy-FiXX™ system.

All Phy-FiXX™ patch panels fully conform to and provide a substantial margin above all ANSI/TIA-568.3-D and ISO/IEC-11801 (2nd Edition) FO component requirements.

The HCS Phy-FiXX™ Logo and the DataLight Trademark ensure long lasting high-performance and full support of most present applications.

Applications

HCS Phy-FiXX™ DataLight FO panels are used within the Phy-FiXX™ System for horizontal distribution or equipment terminations in telecommunications rooms and for interconnection terminations in consolidation points, and they fully support most presently available LAN applications, including the IEEE802.3z protocols for Gigabit Ethernet, 1000BASE-SX (Short wavelength Gigabit Ethernet) 1000BASE-LX (Long wavelength Gigabit Ethernet) & IEEE 802.3ae 10GBASESR/SW 10GBASE-LX4 (10 Gigabit Ethernet).

HCS Phy-FiXX™ Modular Managed Pre-Terminated Fiber Optic Patch Panels

Phy-FiXX™

Qualifications and Approvals

HCS Phy-FiXX™ DataLight FO panels are supported by the Century™ Lifetime Warranty and by the DoubleSafe™ QA program as a part of complete HCS cabling system. HCS Phy-FiXX™ DataLight FO panels are tested at the component level and they comply to the following standards:

TRANSMISSION	EMC	SAFETY
<ul style="list-style-type: none"> ☑ UL94 V-0 rated plastic materials ☑ ANSI/TIA-568-C ☑ ISO/IEC-11801 	<ul style="list-style-type: none"> ☑ FCC Part F.68.5 	<ul style="list-style-type: none"> ☑ UL94 V-0 rated plastic materials ☑ UL 1863 & CSA 22.2 (Pending)

Benefits & Features

- Two power status indicators to ensure proper connection of power supply from the scanner.
- Data bus connection to the Phy-FiXX™ Scanner done with an industry standard RJ45 patch cord
- Panel options for Singlemode and Multimode fibers, including OS1, OS2, OM1, OM2, OM3 & OM4
- Integral cable management shelf ensures bend radius compliance.
- International hardware kit contains both ANSI and metric hardware
- Recessed mounting provides adequate space for routing patch cords, even in free standing enclosures with the front door closed.
- Exceptional material properties and design - providing a unique Century™ Lifetime Warranty.
- Detailed installation manual in English and Turkish - providing clear and comprehensive instructions.
- Exceeding Category 5e performance - providing full support to Gigabit Ethernet.
- Robust and installer-friendly design - providing reduced installation and operating costs.
- Support both Smart and Smart Ready modes of operations.
- Upgradable to Smart patch panel by simply plugging Smart Control Module.

Connectivity Features

- LED status indicators show status of connectivity between the panel and the scanner.
- LED status indicator on the panel calls for operator action (connect/disconnect patch-cord).
- LED status indicators on each port calls for operator action (connect/disconnect patch-cord).
- LED status indicators can be activated and deactivated from a remote location by the network supervisor.
- Port use indication on each port calls for monitoring connectivity (connect/disconnect patch-cord).

GENERAL PROPERTIES

Fiber options	Single Mode: OS1 & OS2. Multimode: OM1, OM2, OM3 & OM4
Material of Construction	16 AWG cold rolled steel
Coating and Color	Powder coating, black
Cassette Capacity	4 Cassette
Fiber Capacity	96 (12 Duplex LC x 4 Cassettes) or 48 (12 Simplex SC x 4 Cassettes) or MTP-MTP 4 Cassettes
Insertion Loss	0.50 dB/cassette (Standard). 0.35 dB/cassette (low-loss)
Installation temperature	0 to 50°C, 15-90% RH (non-condensing)
Operating temperature	0 to 50°C, 15-90% RH (non-condensing)
Storage temperature	-10 to 60°C, 10-95% RH (non-condensing)
Packaging	One unit per box.

ORDERING INFORMATION

HCS P/N	Description	Connectors	Units	Size mm Hx/Wx/D	Notes
P00-F0001-1U	Phy-FiXX™ FO Blank Panel, 19", 1U, 4 Cassette Capacity	N/A	1U	31.8x482.6x162	-
PCU-F00F1-1U	Control Unit for Phy-FiXX Fiber Optic Panels	-	1U	-	-
PFO-F1201-1U	Phy-FiXX™ 1x12 MTP - 12xLC Cassette, 1U	MTP-LC	1U	-	-
PFO-F2402-1U	Phy-FiXX™ 2x12 MTP - 24xLC Cassette, 1U	MTP-LC	1U	-	-
PFO-F1203-1U	Phy-FiXX™ 1x12 MTP - 12xSC Cassette, 1U	MTP-SC	1U	-	-
PFO-F1211-1U	Phy-FiXX™ 1xMTP - 1xMTP Cassette, 1U	MTP-MTP	1U	-	-
PFO-F1212-1U	Phy-FiXX™ 1xMTP - 2xMTP Cassette, 1U	MTP-MTP	1U	-	-
PFO-F1213-1U	Phy-FiXX™ 1xMTP - 3xMTP Cassette, 1U	MTP-MTP	1U	-	-
PFO-F2422-1U	Phy-FiXX™ 2xMTP - 2xMTP Cassette, 1U	MTP-MTP	1U	-	-
PFO-F2423-1U	Phy-FiXX™ 2xMTP - 3xMTP Cassette, 1U	MTP-MTP	1U	-	-

"FO" shall be replaced with the relevant Fiber P/N.

Note: Please contact HCS Customer Service for polarity method (A,B or C)