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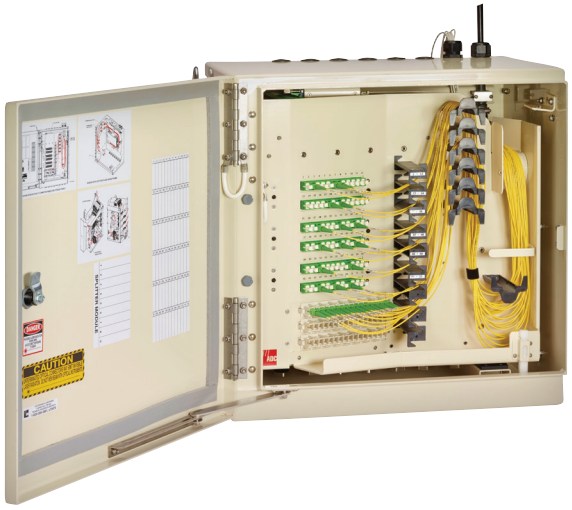


FTTX Solutions

Indoor FDH 3000

Features/Benefits

- Integrated splice tray offers flexible splice management for individual or full splice capacity
- Sealed enclosures protect fibers from dust, water spray, insects and other contaminants
- Accommodates high-density pre-terminated configurations, typically 72, 144, 288 or 432 fibers
- Accommodates high-density modular splitter options, 1x16, 1x32, dual 1x4 or dual 1x8
- Identification and labeling assure product traceability and ease of identification
- Tested to NEMA-12
- Tested to GR-3123
- Complete fiber management allows for flexible re-arrangement
- Cable management and routing limits bend radius and adds strain relief
- 216-Tool (can wrench), key lock or padlock offers flexible security options
- Traditional swing frame design allows for superior rear access
- Rack, wall or pad mountable
- Bend insensitive fiber on splitter outputs
- True plug-and-play splitter technology

Description

The Indoor Fiber Distribution Hub (IFDH) products are designed to organize and administer fiber optic cables and passive optical splitters in an inside plant environment typically found at the MDU. These enclosures are used to connect feeder and distribution cables via optical splitters in a Fiber-to-the-Premises (FTTP) network application. The FDH product provides a vital cross-connect/interconnect interface for optical transmission signals at the MDU.

The IFDH hardware and components support the architectural flexibility of FTTP allowing fast and reliable interconnection between equipment and cables. The enclosure provides mechanical protection for cables, splices, connectors and passive optical splitters. In addition the product is designed to accommodate a range of fiber counts and support factory installation of pigtails, fanouts, and splitters.

The IFDH enclosure is designed for front access via a swing frame configuration. The unit accommodates either riser or indoor/outdoor cables via sealed grommet entry. Cables are secured with standard grip clamps to provide required pull out strength. The IFDH provides grounding for metallic members and for the cabinet.

Sizes

The IFDH is available in four fiber counts: 72, 144, 288 and 432 fiber terminations.

Special Features

These enclosures are NEMA-12 rated and provide the necessary protection against dust, water spray, insects, and other contaminants. The IFDH enclosures are pre-terminated with fiber stub cables and preassembled with high performance, low loss optical connectors and optical splitters. All units easily accommodate the same 1x16 and 1x32 high-density splitter modules. These are the same splitter modules used in the outdoor FDH enclosures.

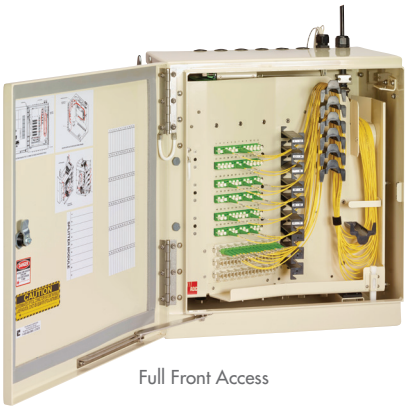
Mounting Applications

The IFDH cabinets provide for mounting directly on a wall, mounting in a 23-inch rack or floor mounting is achieved using a standard 12-inch pedestal.

Fiber Management

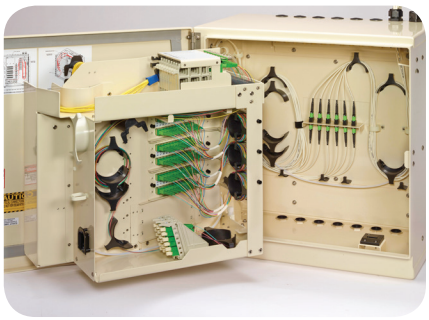
The IFDH configuration provides for total fiber management hardware using a unique front facing cross-connect design. The front fiber management allows Splitter Module outputs to be routed and staged within the enclosure so that they can be efficiently connected into service at a later date. The splitter module is designed with the output of the splitter connectorized with pigtails that extend through the front of the module and are routed and staged on parking adapters. The parking adapters do not connect anything, but rather are used as a staging position to locate 100% of the connectorized pigtails until they are ready for deployment. Excess slack can be managed in vertical channels of the cabinet using slack loops. The entire cabinet can be interconnected without congestion. Pigtail connector ends can be quickly identified and connected to distribution fibers. The rear of the cross-connect field is used to manage pre-terminated fibers from the distribution cable. Splitter modules are now a true plug-and-play design, equipped with SC/APC connectors built right into the splitter chassis. This built in input connection automatically engages the feeder fiber upon splitter installation.

Indoor Fiber Distribution Hub 3000

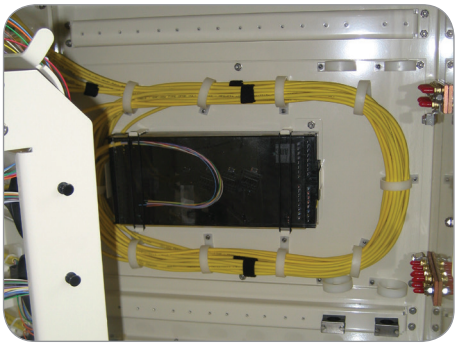


Full Front Access

Rack or Wall Mount



Swing Frame Design for Superior Access



Full Splice Capacity

Specifications

	IFDH-72	IFDH-144/288	IFDH-432
Terminations:	Up to 72	Up to 288	Up to 432
Connectors:	SC/APC	SC/APC	SC/APC
F1 Splice Tray:	24f	48f	48f
F2 Splice Tray:	72f	288f	432f
Splitter Ports:	9	18	18
NEMA Rating:	12	12	12
Access:	Front	Front	Front
Height (Wall Mount):	21" (53 cm)	29" (74 cm)	39" (99 cm)
Height (Floor Mount):	33" (84 cm)	41" (104 cm)	51" (130 cm)
Width:	21" (53 cm)	21" (53 cm)	21" (53 cm)
Depth:	14.5" (37 cm)	14.5" (37 cm)	14.5" (37 cm)
Weight:	35 lbs (15.9 kg)	50 lbs (22.7 kg)	75 lbs (34 kg)

Indoor Fiber Distribution Hub 3000

Ordering Information

FD3-M __ __ __ __ __ __ __ __ __ __ __ __ __ __

Cabinet Size	
K	Indoor 72 Cabinet
M	Indoor 288 Cabinet
N	Indoor 432 Cabinet

Distribution Fiber Count:	
072	72 Fiber Count
144	144 Fiber Count
216	216 Fiber Count
288	288 Fiber Count
360	360 Fiber Count
432	432 Fiber Count

Adapter Style	
J	SC/APC

No. Splitter Modules	
0	No Splitters
1	1 Splitter
2	2 Splitters
4	4 Splitters

Splitter Type:			
0	No Splitters	L	Dual 1x8 standard
A	1x32 standard	M	Dual 1x16 standard
C	1x16 standard	N	1x4 standard
G	2x32 standard - power	P	2x16 standard
J	1x8 standard	U	Dual 1x32 standard

Feeder Fiber Count	
A	12 Fibers
B	24 Fibers
C	48 Fibers

Feeder Cable Length	
A	100 foot Stub
0	Spliced Input

Feeder Cable Type	
A	I/O Ribbon
C	I/O Loose Tube
D	Riser Loose Tube
E	Stranded Pigtails
F	Ribbon Pigtails

Distribution Cable Configuration	
A	All 72 Fiber Stubs
B	All 144 Fiber Stubs
C	Highest Stub Possible
D	All 144 Fiber Stubs, except first 1-72
0	Spliced Distribution

Distribution Stub Length	
A	50 foot Stub
0	No Stub

Distribution Cable Type	
R	Riser Ribbon Stub
L	Riser Loose Tube Stub
V	Loose Tube Pigtails
0	Ribbon Pigtails

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