

Amphenol Broadband Solutions has released an expanded capacity fiber demarcation wall-mount enclosure that provides flexibility and versatility for a variety of indoor applications.

The FD3 offers a lightweight aluminum housing with enhancements to cable ports, tie-down brackets and seals, layered fiber routing, various connector port types and increased capacity, as well as door lock options.

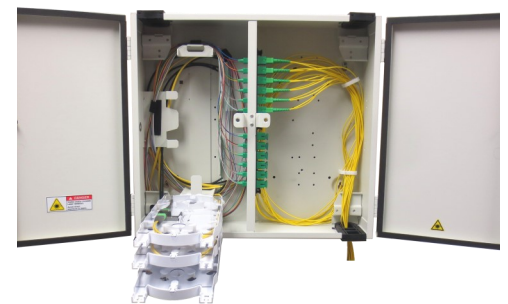
Splice trays are configurable to accommodate discrete passive components, such as; splitters and WDM filters, as well High Density optical modules. The center demarcation panel enables High Density HiD4 optical passive cassettes or Mini-LGX cassettes to be installed along with traditional connector bulkhead panels.

The FD3 enclosure will accommodate both SC and LC style connectors in LGX® compatible bulkhead panels and provides an ideal environment for splicing and patching when building, maintaining and storing your vital network connection points.

MPO connectors can also be leveraged in the FD3. Fanouts terminated with an MPO connector are available with the MPOs mounting on the splice tray.



Fiber Demarcation Box Gen 3



Fiber Demarcation Box Gen 3
with MPO

Features:

- Improved cable port tie-downs for cable sheath and strength members
- Rubber port seals provided as standard
- New dual cable retention bracket enables multiple cables per port and allows for larger cable diameters
- Layered fiber routing separates cable tubes from buffered fibers
- High density connector port capacity
- Bulkhead accepts up to 48 SC or 96 LC adapters as well as passive cassettes
- Fanouts terminated with MPO connectors can be installed on splice tray
- Standard 216 security door lock screws
- Padlock hasp available
- Key lock options available (both doors)
- Hinged / removable splice trays
- Easy wall mounting – hardware included
- Flexible configuration options
- Grounding and feed-thru options
- Configurations available for tray and bulkhead mounting of passive components and modules within the enclosure.

LGX® is a registered trademark of OFS FITEL, LLC

Specifications

Adapter Port Capacity, SC	Up to 48 (Four 12 position bulkhead panels)
Adapter Port Capacity, LC	Up to 96 (Four 12 position duplex bulkhead panels)
Dimensions	17.1"W x 15.25"H x 5.5"D
Splice Tray Capacity	3 Medium Trays
Splice Capacity	24 Single Fusion per Splice Tray 8 Mass Fusion per Splice Tray
Material	Aluminum Powder coated - Light Grey



Fiber Demarcation Box Gen 3 with HiD4p Cassettes

Configuration Generator:



A. Provider / Splice-Side Cable Ports

- S = Rubber grommets installed (2), single cable retention plates installed (2)
- D = Rubber grommets installed (2), dual cable retention brackets (2)
- C = Rubber grommets installed (2), central strength member brackets (2)

B. Customer-Side Cable Ports

- R = 2 rubber grommets installed
- S = 2 rubber grommets installed, (1) corrugated conduit seal retention bracket not installed

C. Door Lock

- N = Base Configuration - 216 security bolt on each door
 - H = Base Configuration plus padlock hasp (provider side only)
- Note: Key locks are also available as accessories (for both sides)

D. Grounding

- N = No Grounding components
- L = Ground feed-thru lug (box to external ground)
Ground feed-thru lug (1), mini B-bond (1), stranded #6 AWG
- S = jumper ground wire (1) (cable to box/box to external ground)

EE. Adapter / Connector Type

- S 2 = SC/UPC Singlemode Simplex
- S 7 = SC/APC Singlemode Simplex
- 2 1 = LC/UPC Singlemode Duplex
- 2 6 = LC/APC Singlemode Duplex

FF. Adapter Panel Configuration & Quantity

- 6 1 = 6 position LGX SC Simplex or LC Duplex style panel, Qty 1
- 6 2 = 6 position LGX SC Simplex or LC Duplex style panel, Qty 2
- C 1 = 12 position LGX SC Simplex or LC Duplex style panel, Qty 1
- C 2 = 12 position LGX SC Simplex or LC Duplex style panel, Qty 2
- C 3 = 12 position LGX SC Simplex or LC Duplex style panel, Qty 3
- C 4 = 12 position LGX SC Simplex or LC Duplex style panel, Qty 4

Note: When adapter plates with quantity <4 are chosen above, blank plates will be provided for the remaining slots

G. Pigtail Type

- A = 900mm SM pigtails
- C = 12 fiber SM ribbon fanout terminated with MPO-male connector and MPO adapter

H. Tray Configuration

- A = One medium splice tray with one SF* splice module included
- B = Two medium splice trays with one SF* splice module included
- C = One medium splice tray with one MF** splice module included
- 1 = One medium splice tray with two SF splice modules included
- 2 = Two medium splice trays with two SF splice modules included per tray
- 3 = One medium splice tray with one SF splice module and one MF splice module
- F = Two medium splice trays with one MPO adapter holder module per tray

Notes: Additional tray configurations may be available, contact your sales representative for details

* SF modules have a 12 splice sleeve capacity and can also accommodate FBT splitter devices

** MF modules provide mounting for WDM filter or planar splitters (up to 4 devices per module)

Ordering Information - Accessories:

Part Number	Description
ASBACC1020236	Splice Sleeve Pk, 60mm Length (100/pk)
ASBACC1020237	Splice Sleeve Pk 40mm length (100/pk)
ASBACC1021223	Ground Kit: Ground Lug with Hole, Ground Wire, Mini B-Bond
ASBACC1021890	Ground Kit: Ground Lug with Solid Shaft, Ground Wire, Mini B-Bond
ASBACC1021895	Rubber Pigtail Grommet - Long (2/kit)
ASBACC1023915	Splice Module Single Fusion (2/kit)
ASBACC1022960	Splice Module Mass Fusion (2/kit)
ASBACC1021889	Accessory Kit, Cable Strength Member Bracket
ASBACC1023916	FDE/FD3 Door Padlock Hasp Kit (provider side)
ASBACC1023919	FDE/FD3 door Camlock Kit includes camlock and two keys (customer side / provider side)
ASBACC1023188	Dual Cable Retention Bracket Kit, Standard, Max cable diameter 0.75" or 0.43" average for two cables
ASBACC1025653	Dual Cable Retention Bracket Kit, Large, Max cable diameter 1.05" or 0.82" average for two cables
ASBACC1023923	Cable Port - Conduit Seal
ASBACC1023924	Cable Port and Cable Gland
ASBACC1023925	Cable Port - Blank
ASBACC1023927	SC/APC Pigtails 1-6 Accessory
ASBACC1023926	SC/APC Pigtails 7-12 Accessory
ASBACC1023936	SC/UPC Pigtails 1-6 Accessory
ASBACC1023935	SC/UPC Pigtails 7-12 Accessory
ASBACC1023930	LC/UPC Pigtails two sets 1-12 Accessory
ASBACC1023931	LC/APC Pigtails two sets 1-12 Accessory
ASBACC1023928	LC/UPC Pigtails 1-12 Accessory
ASBACC1023929	LC/APC Pigtails 1-12 Accessory
ASBMMB1021482	SC/UPC Simplex SM 6PK Panel Assembly
ASBMMB1021483	SC/APC Simplex SM 6PK Panel Assembly
ASBMMB1021485	LC/UPC Duplex SM 6PK Panel Assembly
ASBMMB1021486	LC/APC Duplex SM 6PK Panel Assembly
ASBMMB1021488	SC/UPC Simplex SM 12PK Panel Assembly
ASBMMB1021489	SC/APC Simplex SM 12PK Panel Assembly
ASBMMB1023933	LC/UPC Duplex SM 12PK Panel Assembly
ASBMMB1023934	LC/APC Duplex SM 12PK Panel Assembly
ASBMMB1024709	Blank, Panel Assembly, Narrow Width