



High Density FTDD (Fiber to the Desktop) Enclosure

The High Density Fiber to the Desktop (FTDD) Enclosure is a compact, high-strength optical fiber termination box designed to support flexible deployment of fiber connectivity at user workstations. This enclosure enables secure, organized termination of optical cable and pigtails at or near the desktop and can be mounted on a vertical surface, beneath a desk, or integrated into a surface-mounted raceway.

Key Functional Features

- **Versatile Mounting:** The enclosure supports multiple mounting configurations, including wall-mount, under-desk, or raceway-embedded installations, enabling seamless integration into a wide range of fiber distribution environments such as FTTH, FTTO, and LAN systems.
- **Cable Termination & Protection:** Internally, the unit includes a splice tray and fiber management structure that maintains proper bend radius and mechanical isolation of fiber terminations. This protects fiber termination from mechanical stress and environmental damage while allowing for slack fiber storage.
- **Connector Compatibility:** The enclosure supports installation of standard keystone-style adapters (LC, SC, ST, FC, & RJ45) as well as newer high-density form factors such as MDC, CS, and SN. It is also compatible with MPO/MTP and MMC harness systems, making it suitable for both legacy and next-gen fiber deployments.
- **Easy Access & Assembly:** A snap-on cover mechanism enables quick installation and maintenance without specialized tools. The enclosure accommodates direct connector termination, fusion splicing, or harness-based installations.
- **Material & Build:** Constructed from durable ABS polymer with high impact resistance, the enclosure ensures long-term physical stability and protection in commercial and industrial settings.
- **Pre-Assembled Configuration:** FTDD Enclosures can be purchased loaded and ready to deploy. Configuration options include different combinations of couplers, MTP/MPO Harnesses, and/or ready-to-splice pigtails.

FTDD (Fiber to the Desktop) Enclosure

SKU: FTDD-xxP-WH

Base Models



FTTD-09P-WH



FTTD-12P-WH

FTTD (Fiber to the Work Station), 3 Gang 9 Port, Fiber Box, White	
Unit	Quantity
9 Port, 3 Gang, Face Plate WH	1.00
FTTWS Box Base 2/3G WH	1.00
FTTWS Box Cover 2/3G WH	1.00
FTTWS Splice Tray 2/3G WH	1.00
FTTWS Splice Tray Cover	1.00
12 Fiber Fusion Splice Holder	2.00
Hole Plug, Feed, 1IN White	2.00
Hole Plug Solid, 1IN White	2.00
Hole Plug White, 3/16in	4.00
Screw, Flathead, #6 X 1/2in	2.00
Faceplate Screw, 1/4 Inch, WH	6.00

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FTTWS Box Base 2/3G WH	1.00
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FTTWS Splice Tray 2/3G WH	1.00
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12 Fiber Fusion Splice Holder	2.00
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Hole Plug Solid, 1IN White	2.00
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Capacity

- Supports standard 3 Gang Faceplates for up to 12 LC duplex ports (24 fibers) in a single unit.
- Internal layout designed for efficient routing of incoming and outgoing fibers with an emphasis on preserving minimum bend radius and reducing insertion loss risk.

Technical Specifications

- Material: ABS (Acrylonitrile Butadiene Styrene)
- Color: White
- Dimensions: 5.25 in. (W) × 9.5 in. (L) × 3.5 in. (H)
- Weight: 1.2 lbs

Pre-Configuration Part Number Examples

P/N Examples	Type	Ports	Glass	Coupler	Color	Description
MT2-12-9-LU-BL	MT2	12	9	LU	BL	Loaded MTP Box, MTP to LC (2 x 12 Fiber Harness), 12 Port Box, with OS2 Glass, LC Blue Couplers
MT1-12-4-LU-VL	MT1	12	4	LU	VL	Loaded MTP Box, MTP to LC (1 x 24 Fiber Harness), 12 Port Box, with OM4 Glass, LC Violete Couplers
SMB-12-X-SU-AQ	SMB	12	X	SC	AQ	Loaded Surface Mount Box, 12 Port Box, with no fiber, SC Aqua Couplers
FS9-12-3-LK-AQ/H1/E1/C1	FS9	12	3	LX	AQ/H1/E1/C1	Loaded Fusion Splice Box, w/900um TIA Colored Pigtails, 12 Port Box with OM3 Glass, Loaded with Standard Aqua LC and Keyed LC couplers in Blue, Orange, Yellow



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PRE-LOADED PART NUMBER CONFIGURATION GUIDE

Example

F	S	9	-	0	1	-	9	-	L	U	-	X	X	-	H	1
1				2			3		4			5			6	

Example Configuration Description

FTTD (Fiber to the Work Station), Pre-Loaded Configuration, 900um TIA Color Pigtails, 3-Gang/9 Port, Singlemode 9/125, w/ Senko Keyed Cobalt LC Couplers

OPT	PART	DESCRIPTION
1		TYPE
	FS9	Fusion Splice 900um TIA Color Pigtails
	FS2	Fusion Splice 250um TIA Color Pigtails
	MT1	MTP/MPO Harness X 1
	MT2	MTP/MPO Harness X 2
	SMB	Surface Mount (No Fiber)
	CAT	Category Cable
	*FLX	Flexible Configuration (Hybrid)
2		PORTS
	01	1 Port
	02	2 Port
	03	3 Port
	04	4 Port
	05	5 Port
	06	6 Port
	07	7 Port
	08	8 Port
	09	9 Port
	10	10 Port
	11	11 Port
	12	12 Port
3		GLASS
	9	OS2 9/125
	1	OM1 62.5/125
	2	OM2 50/125
	3	OM3 50/125
	4	OM4 50/125
	5	OM 5 50/125
	X	No Fiber

OPT	PART	DESCRIPTION
4		COUPLER
	LU	LC/UPC
	LA	LC/APC
	LK	LC/UPC Keyed
	SU	SC/UPC
	SA	SC/APC
	ST	ST/UPC
	MD	MDC
	SN	SN
	C5	RJ45 Cat5
	C6	RJ45 Cat6
	CA	RJ45 Cat6A
5		STANDARD COUPLER COLOR
	AQ	Aqua
	BG	Beige
	BL	Blue
	GN	Green
	VL	Violet
	WH	White
	BK	Black
	XX	Keyed LC (see Option 6)
6		SENKO KEYED LC COLORS
	H1	Blue (Cobalt)
	E1	Orange
	M1	Green (Olive)
	J1	Brown
	G1	Gray (Slate)
	B1	White
	D1	Red
	U1	Black
	C1	Yellow
	F1	Violet
	A1	Pink (Rose)
	K1	Aqua (Turquoise)
	L1	Magenta
	N/A	No Key Option Required

Images

