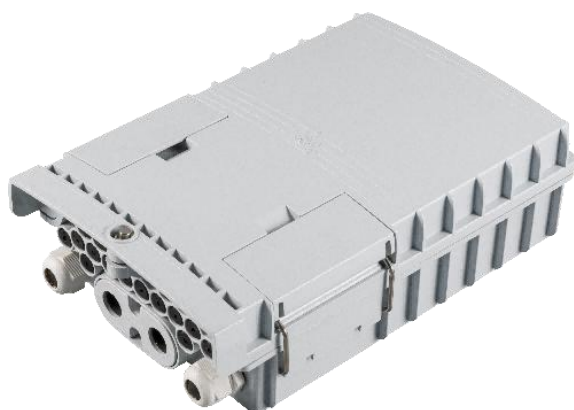# FDB-16P-12A

12 Cores FTTH Distribution Box

Application

- Designed as a high-capacity termination hub in FTTH networks, FDB-16P-12A integrates fiber fusion splicing and adapter patching, supporting large-scale signal distribution with 48/96 cores of splicing capacity and 12 SC adapters.
- IP65-rated to resist dust and high-pressure water jets, suitable for outdoor or harsh indoor installations (compatible with universal wall/pole mounting).
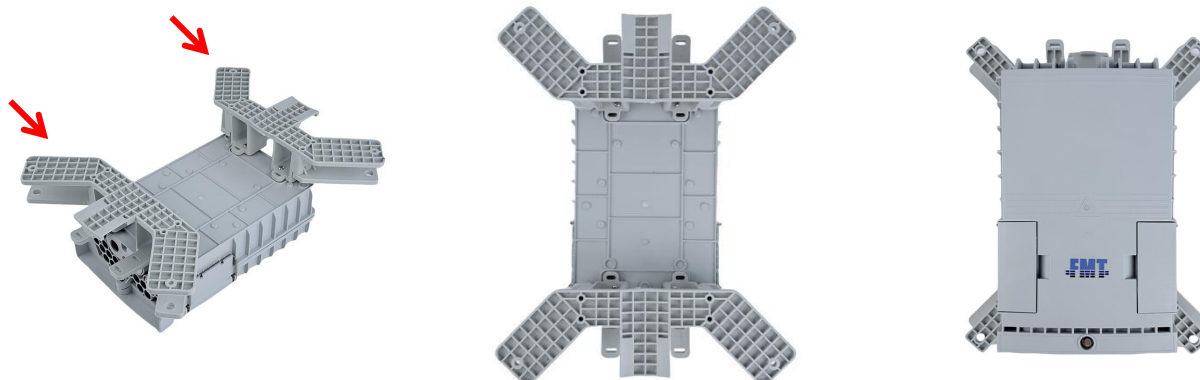
Features & Benefits

- Equipped with 4 splice trays (12/24 cores each, total 48/96 cores) for fusion splicing and 1 adapter bracket (12 SC adapters) for patching, meeting large-scale FTTH deployment needs.
- Separates splicing and adapter management into dedicated components, ensuring organized fiber routing and reducing interference during maintenance.
- Made of PC+ABS material with anti-UV properties, resisting outdoor elements (sunlight, rain, impact) for long-term reliability.
- 4 input ports (7–16.5mm) and 16 output ports (2–12.5mm) accommodate diverse cable sizes, from thick feeder cables to thin drop fibers.
- IP65 Rated, Sealed structure prevents dust ingress and water jets from damaging internal fibers, maintaining performance in exposed environments (e.g., building exteriors, utility yards).
- Compact 285×175×80mm dimensions and 1.215kg weight fit tight installations without compromising capacity.

Specifications

Part No.	FDB-16P-12A
Dimensions	285×175×80mm
Material of Enclosure	PC+ABS
Cable Entry Ports	2 Mid-span ports × Ø14mm (for Un-cut cable)
Branches	2 × PG13.5
Cable Exit Ports	16 Drop ports 2×3mm (for Drop cable)
Patching Capacity	12 SC Adapters
Splicing Capacity	48/96 Fibers (Single-core)
Splice Tray	4 Trays
Suitable Splitter	1×8 Micro PLC Splitters (Each Tray)
Material of Tray	ABS
IP Rating	IP65
Mounting	Wall / Pole Mount

Cable Storage Frame

Accessories

Picture	Name	Size	Quantity
	Wall-mounting Kit (for Wall mount Only)	/	4 Pairs
	Pole-mounting Kit (for Pole mount Only)	Clamp: Ø216mm	2 PCS
	Metal Plate	/	2 PCS
	Nylon Cable Tie	3×100mm	10 PCS
	Splice Sleeve	1.2/45mm	12/24 PCS (Each Tray)
	Hose Clamp	/	4 PCS
	Installation Menu	/	1 PC
	Key	/	1 PC
	Cable Storage Frame	/	(Optional)

Packing List

Part No.	Carton Size	PCS/CTN	G.W.
FDB-16P-12A	58×31×49 CM	15	20 KGS