FDB-16P-144F

144 Fibers FTTH Distribution Box

Application

- Designed as a high-capacity splicing hub in FTTH networks, FDB-16P-144F focuses on large-scale fiber fusion with 6 splice trays (72/144 cores total), serving as a dedicated termination point for feeder cables without adapter-based patching.
- IP65-rated to resist dust and high-pressure water jets, suitable for outdoor or harsh indoor installations (compatible with universal wall/pole mounting), operating reliably in temperatures from -30°C to 80°C.
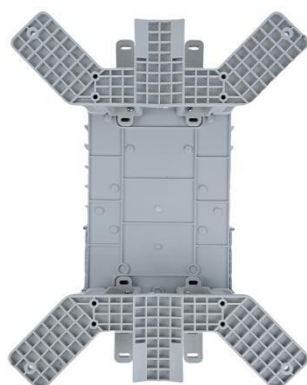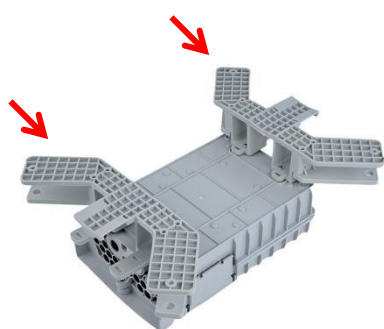
Features & Benefits

- Equipped with 6 splice trays (12/24 cores each, total 72/144 cores) for fusion splicing, meeting large-scale FTTH network expansion needs.
- Optimized for high-density fiber termination without adapter brackets, streamlining space for extensive splicing operations.
- 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 splicing capacity.

Specifications

Part No.	FDB-16P-144F
Dimensions	285×175×80mm
Material of Enclosure	PC+ABS
Cable Entry Ports	2 Mid-span ports × Ø7-16mm
Branches	2 × PG13.5
Cable Exit Ports	16 Drop ports × Ø2-12.5mm
Splicing Capacity	72/144 Fibers (Single-core)
Splice Tray	6 Trays
Splices per Tray	12/24 Fibers/Tray
Suitable Splitter	1×8 or 1×16 Micro PLC Splitters
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-144F	58×31×49 CM	15	20 KGS