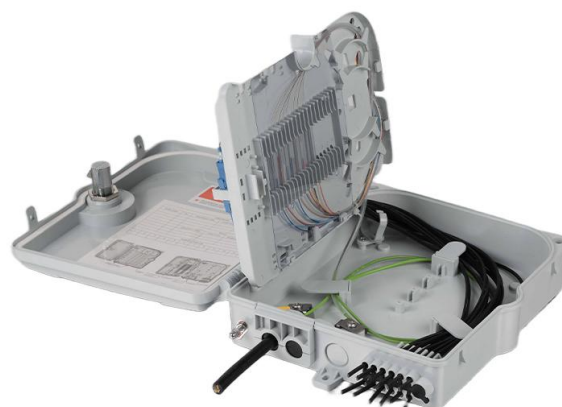


FDB-12C

12-Core Optical Distribution Box

Application

- The FDB-12C is designed for FTTX networks, providing mechanical protection for fiber management systems involving splicing, patching, and integration of passive components (micro PLC splitters).
- IP55-rated to resist dust and low-pressure water jets, making it suitable for both indoor and outdoor installations, with flexible mounting options (wall-mounted or pole-mounted).



Features & Benefits

- Made of high-quality engineering plastic, ensuring long-term reliability in diverse environments, including resistance to environmental stress and temperature fluctuations.
- Combines splicing, patching, and splitting functions into a single tray, streamlining fiber management and reducing installation complexity.
- Supports up to 12 SC adapters and 20 splice slots, compatible with 1×4 and 1×8 micro splitters to meet medium-scale FTTX distribution needs.
- Equipped with 2 uncut cable ports (max. $\phi 14\text{mm}$) for main cable entry, 12 drop cable ports ($\phi 3\text{mm}$) for branch connections, and 1 blind port (PG16) for future expansion or customization.
- Features a hinge structure with a key lock system, preventing unauthorized access and safeguarding internal fiber connections.
- IP55 Rated Ensures resistance to dust ingress and low-pressure water jets, maintaining performance in outdoor or dusty indoor environments.

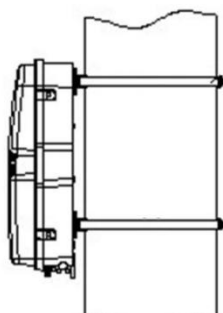
Specifications

Part No.	FDB-12C
Dimensions	225×200×65 mm
Material	PC+ABS
Main Cable Ports	2 Mid-span ports × $\phi 14\text{mm}$
Blind Ports	1 × PG16
Drop Cable Ports	12 × $\phi 3\text{mm}$
Patching Capacity	12 SC Adapters
Splicing Capacity	20 Fibers (Single-core)
Splice tray	1 Tray
Suitable Splitter	1×8 Micro PLC Splitter
IP Rating	IP55
Mounting	Wall / Pole Mount

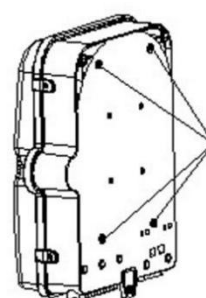
Mounting Options



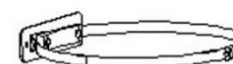
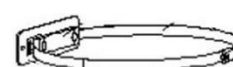
Wall-mounted



Pole-mounted



Installation Holes



Standard Accessories

Picture	Name	Size	Quantity
	Wall-mounting Kit (for Wall mount Only)	/	2 Pairs
	Pole-mounting Kit (for Pole mount Only)	Clamp: Ø216mm	2 Pairs
	PG Gland	PG13.5 or PG16	1 PC
	Nylon Cable Tie	3×100mm	12 PCS
	Splice Sleeve	1.2/45mm	12 PCS
	Buffer Tube	L=500mm	1 PC
	Drop Cable Fixing Part	/	12 PC
	Key	/	2 PCS

Packing List

Part No.	Carton Size	PCS/CTN	G.W.
FDB-12C	50×50×50 CM	20	18 KGS