



FIBER OPTIC WALL MOUNT OPTICAL DISTRIBUTION FRAME 48 PORT SC

Product Overview

The OTB Wall Mount 48 Port SC Optical Termination Box provides high-capacity fiber distribution and termination for large-scale FTTx deployments. Accommodating up to 48 SC adapters, it enables organized splicing, storage, and distribution within a total enclosed structure. Built from anti-aging, dustproof, and waterproof PC+ABS material, it ensures long-term reliability in demanding environments. Its user-friendly design allows independent cable routing, secure fixation, and simplified maintenance for optimal network performance.

Features

- Wall-mounted ODF designed for medium-scale fiber distribution.
- Supports splicing, patching, and cable management.
- Cold-rolled steel, powder-coated finish for durability.
- Front lockable cover for security and dust prevention.
- Modular tray design for efficient splicing and organization.
- Fiber capacity: up to 48 fibers.
- Compatible with SC, LC, FC, or ST adapters.

Applications

- Telecommunications backbone and access networks
- CATV (Cable TV) systems
- LAN & WAN enterprise networking
- Data centers and server rooms
- FTTH (Fiber to the Home) and FTTx deployment
- Indoor optical cable distribution and management



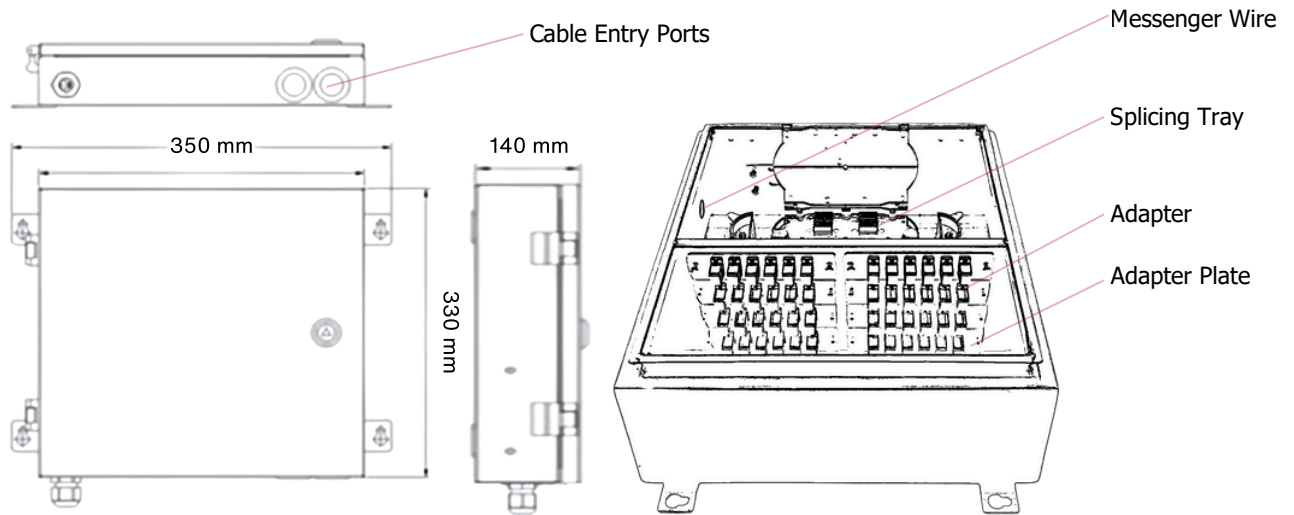
Want to know more about FiberCore?

For more information visit www.fibercore-plus.com or contact sales@fibercore-plus.com

V1.0 - 09012025

FIBER OPTIC WALL MOUNT OPTICAL DISTRIBUTION FRAME 48 PORT SC

Technical Sketch



Technical Specifications

- Model: FC-41-WM-48
- Application: Indoor and outdoor use — suitable for cable-to-pigtail protective connection
- Material: Cold-rolled steel with static powder-coated finish (anti-corrosive)
- Color: Light gray or black (customizable)
- Ingress Protection: IP66 (waterproof and dustproof, suitable for harsh environments)
- Capacity: Up to 48 fiber cores
- Adapter Compatibility: SC, LC, FC, ST (simplex or duplex)
- Cable Support: Single-mode or multi-mode fiber cables (ribbon, bundle, or single)
- Cable Entry Ports: Typically 2–4 ports (sealed with rubber grommets or glands)
- Cable Diameter Supported: Ø8.5 mm – Ø18 mm
- Splicing Support: Fusion splice tray integrated (supports heat-shrink sleeves)
- Internal Management:
 - Built-in cable clamps for strain relief
 - Fiber routing with bend radius ≥ 30 mm
 - Organized pigtail and cord arrangement
- Mounting Type: Wall-mount / Pole-mount capable
- Dimensions:
 - Height - 350mm
 - Width - 330mm
 - Depth - 140 mm
- Operating Temperature: -40°C to +70°C
- Locking Mechanism: Cover with latch or key-lock (for tamper prevention)



Want to know more about FiberCore?

For more information visit www.fibercore-plus.com or contact sales@fibercore-plus.com

V1.0 - 09012025

FIBER OPTIC WALL MOUNT OPTICAL DISTRIBUTION FRAME 48 PORT SC

■ Accessories

- Splice tray
- Expansion bolts
- Hose clamps
- Wire Saddle
- Cable gland
- Mini cable ties
- Heat protection sleeves
- Includes fiber adapters

■ Compliance and Certifications

- IP66 Certified
- RoHS Compliant (EU Directive 2011/65/EU)
- REACH Compliant
- ISO 9001:2015 (for manufacturing quality assurance)
- TIA/EIA-568 & ISO/IEC 11801 Structured Cabling Standard Compliant
- Equipped for bonding in accordance with TIA-607-D / IEC 60364

■ Ordering Information

Description	Part No.
Wall Mount Optical Distribution Frame 48 Port SC	FC-41-WM-48



Want to know more about FiberCore?

For more information visit www.fibercore-plus.com or contact sales@fibercore-plus.com

V1.0 - 09012025