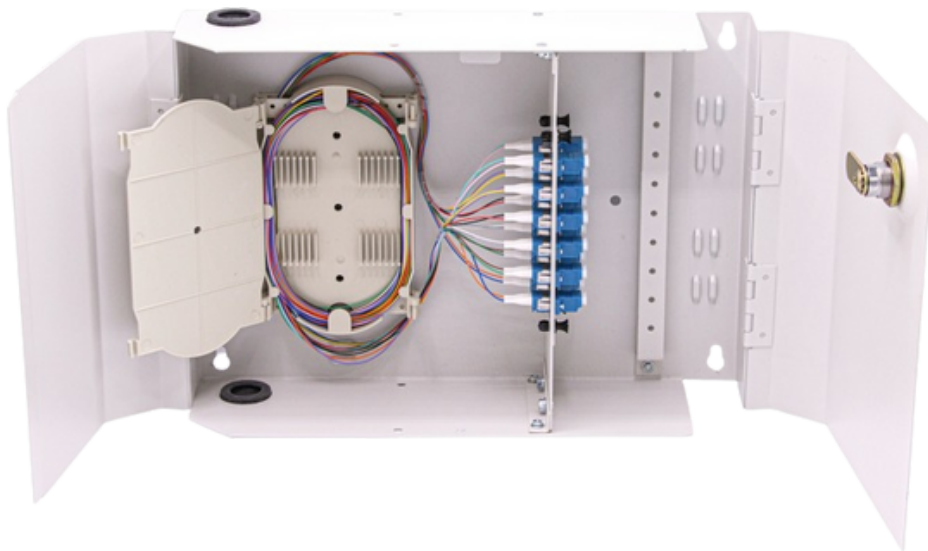


PRODUCT DATASHEET

WALL MOUNT ENCLOSURE FIBER OPTIC CABLE



BISMON CO., LTD.

Visit our website

www.bismon.com

"Smart Networking, Reliable Solutions"

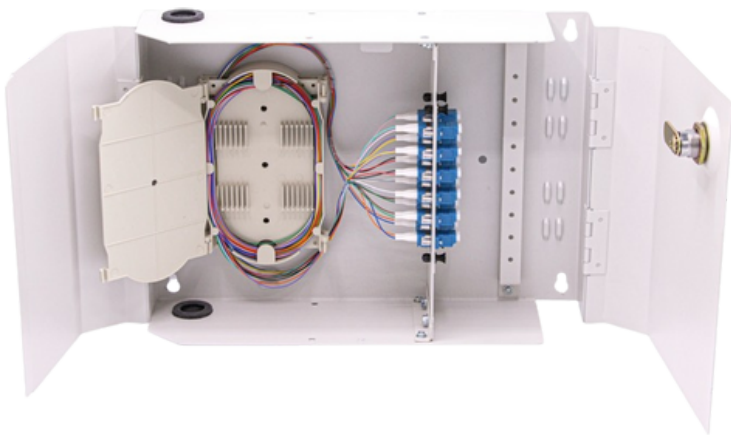


CONTACT US
02-563-5000



298 Moo.1 Orngern, Saimai,
Bangkok Thailand 10220

WALL MOUNT ENCLOSURE FIBER OPTIC CABLE

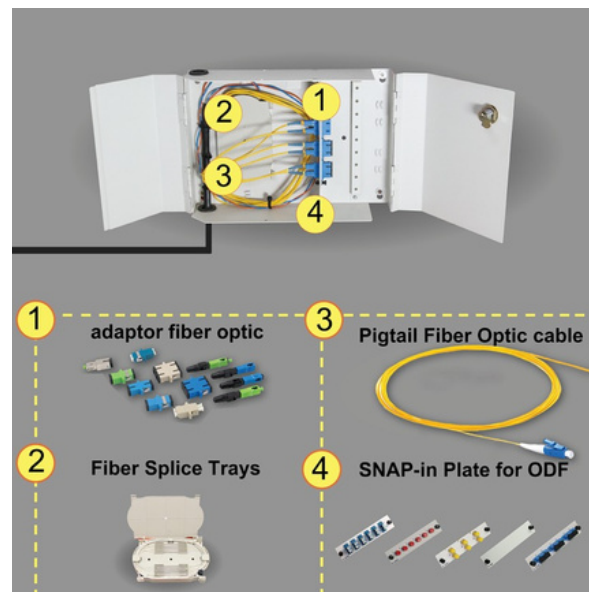


Overview

The Wall Mount Fiber Optic Enclosure 24 Core is a compact yet durable solution for fiber termination and management. Measuring 335 mm (W) × 90 mm (D) × 235 mm (H), it supports both single-mode and multi-mode fibers with up to 24 cores. The Snap-in adapter plate system allows flexible connector options — ST, SC, FC, LC — ensuring quick installation and easy maintenance. Ideal for CCTV surveillance, IoT networks, FTTH/FTTx, LAN backbone, and data communication systems, this enclosure provides reliable fiber protection and professional cable organization for modern telecom environments.

Essential Components

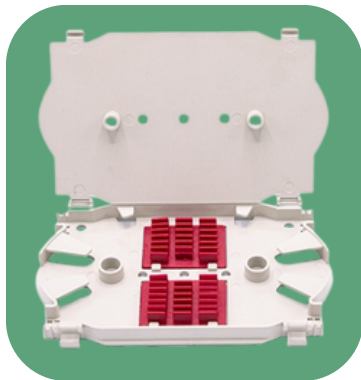
No.	Component	Required	Function
1	Fiber Optic Adapter	Connects two fiber connectors, SC, ST, FC, LC	✓
2	Fiber Splice Tray	Protects and organizes fiber splices	✓
3	Pigtail Cable	Spliced to main cable for easy connector termination	✓
4	Snap-in Adapter Plate	Holds adapters, defines connector type	✓



Typical Applications

This wall-mount fiber optic enclosure is suitable for

- CCTV surveillance networks
- IoT or smart building systems
- FTTH / FTTx distribution points LAN backbone and data communication links
- Industrial automation or control networks



B1-SP24 (163x100x14.5mm)

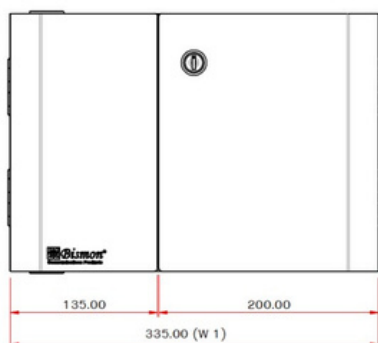


B1-SP12 (163x100x14.5mm)

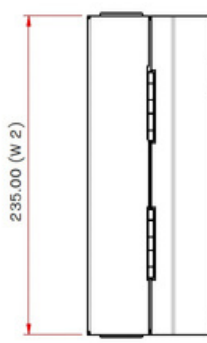


B1-SP12SM (135x77x12mm)

Fiber splice trays are essential components inside wall-mount enclosures, designed to organize and protect fiber splicing points. They come in three sizes — 24 Core (B1-SP24) for high-capacity installations, 12 Core (B1-SP12) for standard applications, and 12 Core Small (B1-SP12-SM) for compact spaces where enclosure room is limited. Using splice trays ensures safe fiber management, prevents bending or damage, and maintains signal integrity within the enclosure.

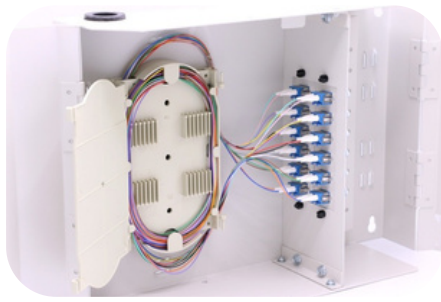


Dimension: 335x235x91mm



Cable entry port diameter: 1 inch





Inside Panel Wall box

- Support LC/UPC Pigtail Single-mode OD:0.9mm, 12 color



Outside Panel Wall box

- Support Snap-in adapter plate LC, SC, FC, ST, Max: 2 pcs

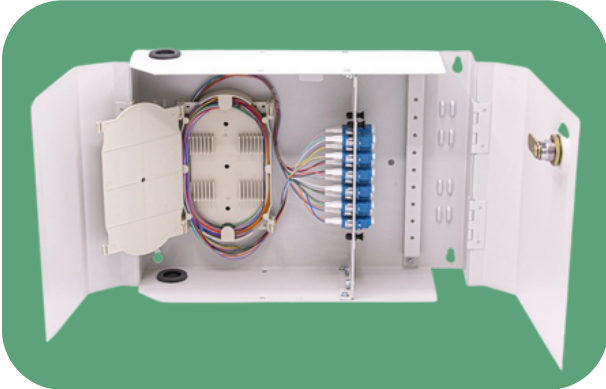
Why Wall Mount Enclosure ODF (12–24 Core) is Essential for Indoor Fiber Optic Cable Management

A Wall Mount Enclosure ODF for 12–24 Core fiber optic cables is an essential component in modern communication systems, designed to organize, protect, and manage optical fibers within indoor environments. It provides a centralized point for fiber termination, splicing, and patching, ensuring stable and high-performance data transmission. The enclosure helps prevent fiber damage caused by bending, dust, or accidental pulling, while also making future maintenance and expansion more efficient. Commonly used in CCTV, IoT, FTTH, LAN, and data communication networks, it keeps cabling systems neat, safe, and compliant with installation standards.

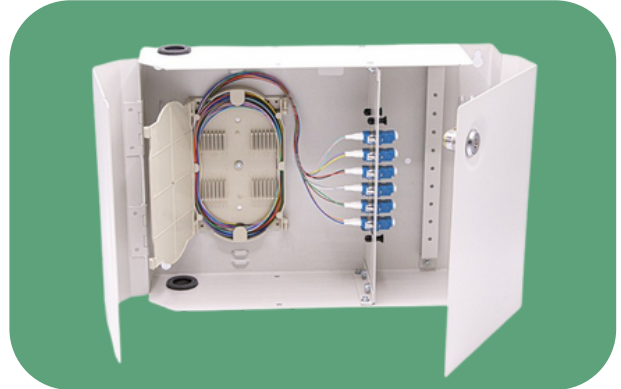
Key Benefits

- Efficient cable management: Keeps all fiber connections neatly arranged and easy to identify.
- Protection and durability: Shields delicate fiber splices and connectors from dust, impact, and stress.
- Space-saving design: Compact wall-mount enclosure suitable for limited indoor spaces.
- Flexible configuration: Supports various connector types (SC, LC, FC, ST) via snap-in adapter plates.
- Easy maintenance: Simplifies inspection, splicing, and network upgrades.
- Improved network reliability: Reduces signal loss and maintains stable optical performance.
- Professional appearance: Organizes cable systems for a clean, safe, and modern installation.





24 Core LC/UPC Full set



12 Core LC/UPC Full set



This cable management and distribution box model also allows for the replacement of the snap-in plate used for installing various types of female adapters,

such as ST, SC, FC, and LC, in both single-mode and multi-mode types as listed below. 



Blank Panel



6FC adapter Single-Mode



6FC/APC adapter Single-Mode



6SC/APC adapter Single-Mode



6SC adapter Multi-mode OM3



6SC adapter Multi-mode OM2



6ST adapter Single-Mode



6ST adapter Multi-mode



6SC adapter Single-Mode



8SC adapter Simplex Multi-mode



8SC/APC simplex Single-mode



6SC adapter Single-mode



12FC adapter Single-mode



12FC/APC adapter Single-mode



12LC adapter Multi-mode OM3



12LC/APC adapter Single-mode



12LC/UPC adapter Single-mode



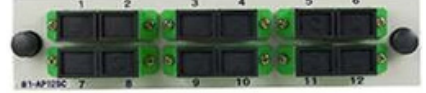
12LC adapter Multi-mode OM2



12SC adapter duplex Multi-mode OM2



12SC/UPC adapter Single-mode



12SC/APC adapter Single-mode



12SC adapter Multi-mode OM3



12ST adapter Multi-mode OM2



12ST adapter Single-mode



16LC adapter Multi-mode OM2



16LC/APC adapter Single-mode



16LC/UPC adapter Single-mode



16LC adapter Multi-mode OM3



6LC adapter Multi-mode OM4



12LC adapter Multi-mode OM4



Order Information

Part Number	Description
B1-WM24	24 Core Wall Mount Enclosure fiber optic (2 Snap-in plate)
B1-BLK	Blank Panel
B1-AP6STMM-F	6 ST adapter plate Multi-mode with adapter Full set
B1-AP6STSM-F	6 ST adapter plate Single-mode with adapter Full set
B1-AP12STMM-F	12 ST adapter plate Multi-mode with adapter Full set
B1-AP12STSM-F	12 ST adapter plate Single-mode with adapter Full set
B1-AP6SCMMD-F	6 SC adapter plate Multi-mode with adapter Full set
B1-AP6SCMMD3-F	6 SC adapter plate Multi-mode OM3 with adapter Full set
B1-AP6SCMMD4-F	6 SC adapter plate Multi-mode OM4 with adapter Full set
B1-AP6SCSMD-F	6 SC adapter plate Single-mode with adapter Full set
B1-AP6SCSMAD-F	6 SC/APC adapter plate Single-mode with adapter Full set
B1-AP8SCMMS-F	8 SC adapter Plate simplex Multi-mode with adapter Full set
B1-AP8SCSMAS-F	8 SC/APC adapter Plate simplex Single-mode with adapter Full set
B1-AP12SCMMD-F	12 SC adapter Plate duplex Multi-mode with adapter Full set
B1-AP12SCMMD3-F	12 SC adapter Plate duplex Multi-mode OM3 with adapter Full set
B1-AP12SCMMD4-F	12 SC adapter Plate duplex Multi-mode OM4 with adapter Full set
B1-AP12SCSMD-F	12 SC adapter Plate duplex Single-mode with adapter Full set
B1-AP12SCSMAD-F	12 SC/APC adapter Plate duplex Single-mode with adapter Full set
B1-AP6FCSMT-F	6 FC adapter Plate Single-mode with adapter Full set
B1-AP6FCAPC-F	6 FC/APC adapter Plate Single-mode with adapter Full set
B1-AP12FCSMT-F	12 FC adapter Plate Single-mode with adapter Full set
B1-AP12FCSMAT-F	12 FC/APC adapter Plate Single-mode with adapter Full set
B1-AP6LCMMD-F	6 LC adapter Plate Multi-mode OM2 with adapter Full set
B1-AP6LCMMD3-F	6 LC adapter Plate Multi-mode OM3 with adapter Full set
B1-AP6LCMMD4-F	6 LC adapter Plate Multi-mode OM4 with adapter Full set
B1-AP6LCSMD-F	6 LC adapter Plate Single-mode with adapter Full set
B1-AP6LCASMD-F	6 LC/APC adapter Plate Single-mode with adapter Full set
B1-AP12LCMMD-F	12 LC adapter Plate Multi-mode OM2 with adapter Full set
B1-AP12LCMMD3-F	12 LC adapter Plate Multi-mode OM3 with adapter Full set
B1-AP12LCMMD4-F	12 LC adapter Plate Multi-mode OM4 with adapter Full set
B1-AP12LCSMD-F	12 LC adapter Plate Single-mode with adapter Full set
B1-AP12LCSMAD-F	12 LC/APC adapter Plate Single-mode with adapter Full set
B1-AP16LCMMD-F	16 LC adapter Plate Multi-mode OM2 with adapter Full set
B1-AP16LCMMD3-F	16 LC adapter Plate Multi-mode OM3 with adapter Full set
B1-AP16LCMMD4-F	16 LC adapter Plate Multi-mode OM4 with adapter Full set
B1-AP16LCSMD-F	16 LC adapter Plate Single-mode with adapter Full set
B1-AP16LCSMAD-F	16 LC/APC adapter Plate Single-mode with adapter Full set
B1-SP12	12 Core Splice tray
B1-SP24	24 Core Splice tray
B1-PTS-6-3	60mm Protection sleeve
B1-PTS-4-3	45mm Protection sleeve

