

Part Number: PL-FOPWMP48



Product Description:

Premium 48-port wall-mount fiber distribution box designed for high-density fiber termination, fusion splicing, protected storage and patching. The plastic enclosure provides separated cable/splice and patch-cord management zones for orderly installation, maintenance and network expansion.

Applications:

- FTTH / FTTx and PON access/distribution networks
- LAN/WAN, telecom rooms, campuses and multi-floor buildings
- CATV, CCTV/IP networks, enterprise and building fiber distribution

Premium Features:

- High-impact PC+ABS engineering-plastic housing with UV-resistant, flame-retardant grade material.
- 48-fiber splice/termination capacity with organized splice trays, pigtail routing and protected excess-fiber storage.
- Hinged, lockable cover with gasketed enclosure design; IP65 design when installed with specified seals and cable glands.
- Separate feeder-cable, pigtail and patch-cord routing paths to minimize disturbance during service or expansion.
- Integrated cable anchoring and strain relief with full-path fiber management and controlled bend radius ≥ 40 mm.
- Compatible with SC/LC configurations; optional mini PLC splitter mounting and factory-loaded accessories.

Technical Specifications:

Product Type	Wall Mount Fiber Distribution Box / Wall Mount ODF, plastic enclosure
Port / Fiber Capacity	48-fiber standard splice and termination capacity
Adapter Capacity	Up to 48 × SC Simplex or 24 × LC Duplex adapters (48 fibers), subject to adapter plate
Connector Polish	UPC or APC, according to selected adapter/pigtail configuration
Fiber Compatibility	OS2 (G.652.D / G.657.A1/A2) and OM3 / OM4 / OM5
Housing Material	High-impact PC+ABS engineering plastic, UV-resistant, flame-retardant grade
Protection Design	IP65 design with correctly fitted perimeter seal and specified cable glands; indoor/outdoor wall mounting
Splice Management	Integrated multi-tray splice management for up to 48 fusion splices; heat-shrink sleeve compatible
Cable Management	Dedicated feeder/drop routing, anchoring, strain relief and protected excess-fiber storage
Fiber Bend Radius	Managed routing radius ≥ 40 mm throughout the enclosure
Cover / Security	Hinged cover with lock/latch and perimeter gasket for controlled access
PLC Splitter Support	Optional mini PLC splitter accommodation; configuration subject to project requirement
Operating Temperature	-40°C to +70°C
Relative Humidity	Up to 95% RH, non-condensing
Loaded Adapter Performance	Optional loaded version: insertion loss ≤ 0.20 dB typical / ≤ 0.30 dB max; durability ≥ 500 mating cycles
Color	Light gray / RAL 7035 equivalent; project colors available on request

Configuration Options: Empty enclosure or factory-loaded with SC/LC adapters, pigtails, splice sleeves and accessories; optional mini PLC splitter integration subject to the approved project configuration.

Applicable System / Component References: ANSI/TIA-568.3-E • ISO/IEC 11801-1 • IEC 61754-4 (SC) • IEC 61754-20 (LC) • IEC 61300 series • IEC 60529 (IP classification when tested/declared)