

Part Number: PL-FOPWMP12



Product Description:

Premium 12-port wall-mount fiber distribution box for fiber termination, fusion splicing, protected storage and patching. The compact plastic enclosure separates incoming cable/splice management from patch-cord distribution for clean installation and maintenance.

Applications:

- FTTH / FTTx and PON access networks
- LAN/WAN, telecom rooms and building distribution
- CATV, CCTV/IP networks and campus fiber distribution

Premium Features:

- High-impact PC+ABS engineering-plastic housing with UV-resistant, flame-retardant grade material.
- 24 adapter positions with organized fusion-splice tray, pigtail routing and excess-fiber storage.
- Hinged, lockable cover with gasketed enclosure design; IP65 when installed with specified seals and cable glands.
- Separate routing paths for feeder cable, pigtails and patch cords to minimize fiber disturbance during service.
- Integrated cable anchoring, strain relief and protected routing with managed bend radius ≥ 40 mm.
- Wall-mount hardware standard; pole-mount kit and PLC splitter accommodation available as project options.

Technical Specifications:

Product Type	Wall Mount Fiber Distribution Box / Wall Mount ODF, plastic enclosure
Port / Fiber Capacity	12 adapter positions; 12-fiber standard splice/termination capacity
Adapter Compatibility	SC Simplex or LC Duplex adapter format; UPC/APC as configured
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 Rating	IP65 when correctly installed with specified seals/glands; indoor/outdoor capable
Splice Management	Integrated removable/hinged splice tray; heat-shrink splice sleeve compatible
Cable Entry / Exit	2 feeder-cable entry positions plus configurable drop-cable outlets up to 24
Fiber Management	Dedicated routing and storage zones; minimum managed bend radius ≥ 40 mm
Cover / Security	Hinged cover with lock/latch and perimeter sealing gasket
Operating Temperature	-40°C to +70°C
Relative Humidity	Up to 95% RH, non-condensing
Loaded Adapter Performance	Insertion loss ≤ 0.20 dB typical / ≤ 0.30 dB max; mating durability ≥ 500 cycles
Color	Light gray / RAL 7035 equivalent; other colors available by project

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

Design 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)