

MSO All-In-One Cabinet, 288F, LC/APC, LGX Splitters, Dry Single Armored Loose Tube, 100 ft, 1x 288F Distribution Cables, 1x 24F Feeder Cable

The MSO AIO Cabinet: A closer look

The key to the MSO AlO is an innovative design that packs an amazing amount of functionality and capabilities into a surprisingly small footprint. Its approximate 48-inch height meets most local requirements while the compact footprint (\approx 48"h x 48"w x 28"d) enables right-of-way deployments per municipal standards.

One MSO AIO cabinet supports up to 1,536 subscribers (10G EPON) via multi-stage splits and two hardened nodes. So, you can support more subscribers with fewer cabinets. Cabinets can be installed on risers, vaults or poured pads and are delivered with a 3-inch riser. 12-inch and 24-inch risers, compatible vault and pad-mounted base can be purchased separately. MSO AIO cabinets are designed and tested to comply with GR-487-CORE and GR-3125 specifications.

Active compartment features:

- 1,500W thermosiphon temperature control complies with GR-487-CORE
- Exterior 60A, 12POS AC load center for 120VAC single-phase power cable feed
- Optional PEM studs for mounting structural power meter (height extender and power meter sold separately)
- Cabling supports customer-provided DC battery backup, typically 1 string of 3 12V cable system batteries (170-190AH)
- Includes a 15A GFCI outlet and interior LED lighting (20-60VDC)
- 20-pair alarm block supports Intrusion, Thermosiphon and SPD "normally open" alarms
- Interior grounding busbar available and connected to exterior grounding stud
- Manual transfer switch engages 50A, 125/250V GENERAC generator power inlet box

Passive compartment features:

- LC/UPC to LC/APC (1.8mm) jumpers support up to 6 PON modules
- 144f, 288f, or 576f LC/APC F2 cables terminate on a custom swing frame with rear access
- Feeder field terminates 24/48 fibers on LC/APC connectors on 24f/48f cable stub.
- Mounts up to two MSO-hardened nodes like the CommScope NH4000/NH4600 VHUB
- Preloaded 1:64 LC/APC LGX mounted PNP pigtailed splitter options (additional 1:2, 2:2 1:4, 1:8, 1:16, 1:32 and 1:64 options sold separately)
- Supports 12 to 24 standard LGX passive optical devices (3in depth recommended)
- 100' standard cable stub uses dry armored loose tube cable
- Interior grounding busbar installed for use with armored cable tone wire and connected to exterior grounding stud

Accessories Available:

- MSO AIO Vault (MID: FMS-FD3J-KIT-A)
- 12" Stackable Riser (MID: 760257862)
- Pad Mount Frame (MID: 760255236)
- Power Meter Height Extension Accessory (MID: 760257082)
- Power Meter/Meter Socket Kit (MID: 760258129)
- Spare AIO Key (7/16" nut) (MID: 760256811)
- Pack of 20 Spare AlO Key Drivers (7/16" nut, thin walled) (MID: 760159038)

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- AIO Side Car Replacement Roof Kit (MID: TBD)
- AIO CMC Replacement Roof Kit (MID: TBD)
- MSO Recommended 10G EPON R OLT (MID: 1514003)
- MSO Recommended XGS-PON R OLT (MID: 1514514)

Product Classification

Regional Availability North America

Product Type Fiber distribution hub

Product Series All-In-One
Warranty Two years

General Specifications

Access Front | Rear | Side

Accoustic Level, maximum 60 dB

Alarm Type Door alarm | SPD alarm | Thermosiphon alarms (including high temperature,

failure)

Auxiliary Power Input Yes

Cable Type Armored - Single Loose Tube

Color Light Gray (RAL 7035)

Distribution Cables, quantity 1

Distribution Ports, quantity 288

Fibers per Distribution Cable, quantity 288

Fibers per Feeder Cable, quantity 24

Interior LED light Both chambers

Interface, Input LC
Interface Feature, Input APC

Mounting Handhole | Pad

Mounting Options Hardened Node

Node Storage Capacity 2

Split Ratio Symmetrical

Splitter Slots, quantity 12Splitter Type 1×64 Splitter, quantity 4

Heat Management 1,500 W Thermosiphon

COMMSC PE°

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Dimensions

 Height
 1216 mm | 47.874 in

 Width
 1224 mm | 48.189 in

 Depth
 697 mm | 27.441 in

 Cable Length
 30.48 m | 100 ft

Enclosure Size Large

Material Specifications

Finish Powder coated

Material Type Aluminum

Environmental Specifications

Environmental Space Above ground

Packaging and Weights

Packaging quantity

Packaging Type Pallet

Weight, net 249.929 kg | 551 lb

Regulatory Compliance/Certifications

Agency Classification

CHINA-ROHS Above maximum concentration value

ROHS Compliant/Exempted UK-ROHS Compliant/Exempted



* Footnotes

Warranty For more information, please consult our Product Warranty guidelines