

760253790



MSO All-In-One Cabinet, 576F, LC/APC, LGX Splitters, Dry Single Armored Loose Tube, 100 ft, 2x 288F Distribution Cables, 1x 48F Feeder Cable

The MSO AIO Cabinet: A closer look

The key to the MSO AIO 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 ($\approx 48''h \times 48''w \times 28''d$) 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 AIO 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	2
Distribution Ports, quantity	576
Fibers per Distribution Cable, quantity	288
Fibers per Feeder Cable, quantity	48
Interior LED light	Both chambers
Interface, Input	LC
Interface Feature, Input	APC
Lock Type	Locking bolt Padlock ready
Mounting	Handhole Pad
Mounting Options	Hardened Node
Node Storage Capacity	2
Split Ratio	Symmetrical
Splitter Slots, quantity	24
Splitter Type	1 x 64
Splitter, quantity	8
Heat Management	1,500 W Thermosiphon

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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
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Packaging and Weights

Packaging quantity	1
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
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