760253791

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 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 (≈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 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	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	12
Splitter Type	1 x 64
Splitter, quantity	4
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

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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