

# 760254720

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## MSO All-In-One Cabinet, 144F, LC/APC, LGX Splitters, Dry Single Armored Loose Tube, 100 ft, 1x 144F 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 ( $\approx 48''h \times 48''w \times 28''d$ ) 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

<b>Regional Availability</b>	North America
<b>Product Type</b>	Fiber distribution hub
<b>Product Series</b>	All-In-One
<b>Warranty</b>	Two years

## General Specifications

<b>Access</b>	Front   Rear   Side
<b>Accoustic Level, maximum</b>	60 dB
<b>Alarm Type</b>	Door alarm   SPD alarm   Thermosiphon alarms (including high temperature, failure)
<b>Auxiliary Power Input</b>	Yes
<b>Cable Type</b>	Armored - Single Loose Tube
<b>Color</b>	Light Gray (RAL 7035)
<b>Distribution Cables, quantity</b>	1
<b>Distribution Ports, quantity</b>	144
<b>Fibers per Distribution Cable, quantity</b>	144
<b>Fibers per Feeder Cable, quantity</b>	24
<b>Interior LED light</b>	Both chambers
<b>Interface, Input</b>	LC
<b>Interface Feature, Input</b>	APC
<b>Mounting</b>	Handhole   Pad
<b>Mounting Options</b>	Hardened Node
<b>Node Storage Capacity</b>	2
<b>Split Ratio</b>	Symmetrical
<b>Splitter Slots, quantity</b>	12
<b>Splitter Type</b>	1 x 64
<b>Splitter, quantity</b>	2
<b>Heat Management</b>	1,500 W Thermosiphon

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## Dimensions

<b>Height</b>	1216 mm   47.874 in
<b>Width</b>	1224 mm   48.189 in
<b>Depth</b>	697 mm   27.441 in
<b>Cable Length</b>	30.48 m   100 ft
<b>Enclosure Size</b>	Large

## Material Specifications

<b>Finish</b>	Powder coated
<b>Material Type</b>	Aluminum

## Environmental Specifications

<b>Environmental Space</b>	Above ground
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## Packaging and Weights

<b>Packaging quantity</b>	1
<b>Packaging Type</b>	Pallet
<b>Weight, net</b>	249.929 kg   551 lb

## Regulatory Compliance/Certifications

<b>Agency</b>	<b>Classification</b>
CHINA-ROHS	Above maximum concentration value
ROHS	Compliant/Exempted
UK-ROHS	Compliant/Exempted



## \* Footnotes

<b>Warranty</b>	For more information, please consult our Product Warranty guidelines
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