

Cisco ONS 15310-MA AC-WME (Wall Mount Enclosure)

The Cisco[®] ONS 15310-MA Multiservice Provisioning Platform (MSPP) is a carrier-class MSPP that efficiently switches Ethernet and time-division multiplexing (TDM) traffic for use in metropolitan and regional optical networks. Fiber-to-the-building (FTTB) applications represent an increasingly important opportunity for metropolitan service providers to extend their networks, reach new customers, and profitably grow their businesses. The Cisco ONS 15310-MA has enabled service providers to address the FTTB market because it delivers supercharged SONET/SDH, integrated optical networking, unprecedented multi-services on demand, and radical economic benefits. However, FTTB applications requires providers to deploy equipment to sites that may be unsecured, lacking standard equipment racks, without DC power sources, and/or controlled by outside parties. The Cisco ONS 15310-MA Wall Mount Enclosure (WME) provides a secure environment for the Cisco ONS 15310-MA network equipment, power system, and VRLA batteries (battery back-up) in locations powered by 120VAC with space limitations.

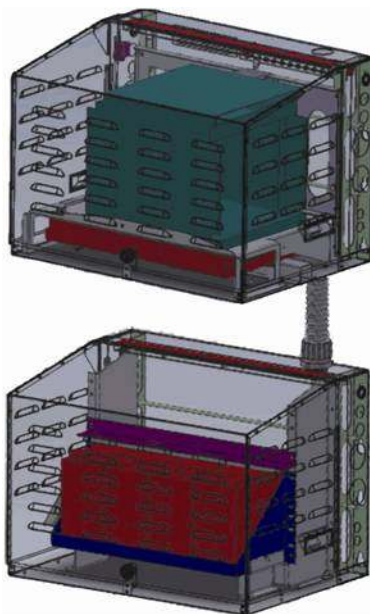
Figure 1. The Cisco ONS 15310-MA Wall Mount Enclosure (WME)



Cisco ONS 15310-MA Wall Mount Enclosure Solutions

The Cisco ONS 15310-MA can be integrated in a number of indoor and outside plant (OSP) enclosures, i.e. Wall Mount (indoors), Pad Mount and Pole Mount OSP (Pole Mount) cabinets that incorporate customer-approved third-party support components. The Indoor Wall Mount Enclosures are available with three (3) power source options: 1) AC-WME (with Optional Battery Back-Up) for locations that have a 120VAC source, 2) -48VDC WME for locations that have a -48 VDC source, and 3) +24VDC WME for locations that have a +24 VDC source. These configurations are built and/or customized by a Cisco approved partner, Linkmont Technologies, Inc. (Linkmont). Ordering information is listed below.

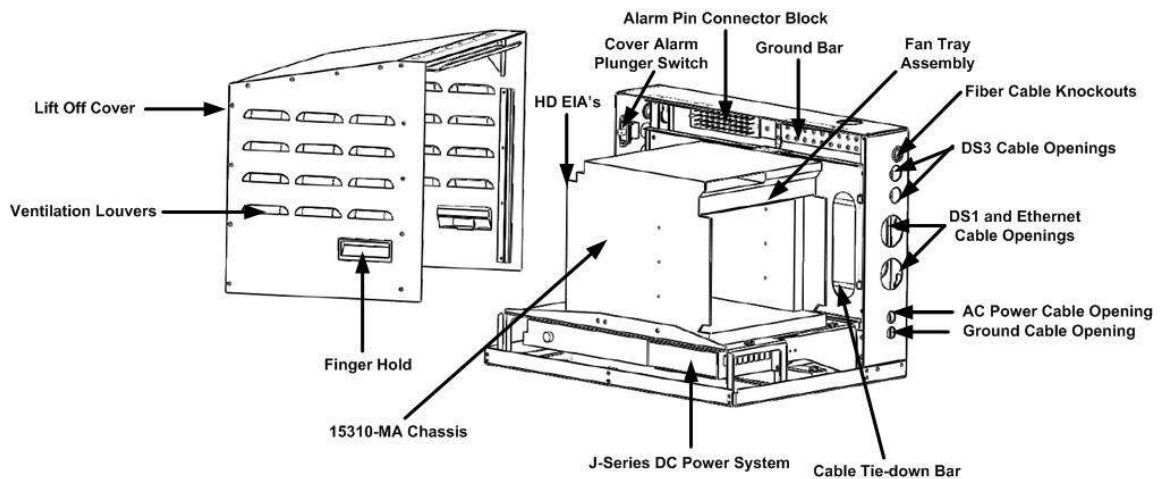
Figure 2. Cisco ONS 15310-MA Wall Mount Enclosure with Optional Battery Backup



The Cisco ONS 15310-MA AC-WME, a secure, wall-mountable enclosure, addresses those key FTTB requirements cost-effectively so that service providers can take full advantage of this opportunity at a fraction of the cost, in a fraction of the time. The Cisco ONS 15310-MA WME offers a rectifier with redundant modules, 8 hours of battery back-up capability, and a Cisco ONS 15310-MA Metro Edge Optical Transport Platform as a single, integrated solution.

The AC-WME is certified to operate indoors, not outdoors in uncontrolled environments, such as a covered facility that may be exposed to outside air and contaminants. The Cisco ONS 15310-MA is designed to house VRLA batteries used for battery back-up powering. The AC-WME provides multiple alarm inputs, which can be used to collect information at a remote location and transmit it back to a management center. The AC-WME comes with all of its components pre-installed and prewired (15310-MA DS1 and DS3 cables are not included and must be ordered separately) so that it can be installed, provisioned, and put into service in less than four (4) hours.

Figure 3. Cisco ONS 15310-MA AC-WME Detail



The Cisco ONS 15310-MA AC-WME is offered in the configurations outlined in Table 1.

Table 1. Cisco ONS 15310-MA WME Configurations

WME Configurations	Description
PCI-WME-AC	Standard equipped Cisco ONS 15310-MA WME. Standard equipment includes wallmount cabinet integrated with a Valere Power Plant – *1RU (front access, with redundant rectifiers), and an Alarm terminal block
PCI-15310WME-CHAS	Cisco ONS 15310-MA shelf assembly including fan tray assembly
WME Options	Description
PCI-AC-WME-EXWARR	Extended 5-Year Warranty
HE32-MX-0xx, xx=feet (10 foot min.)	DS1 Cables 32 pair, AMP ends A-side (Qty. 2)
HE32-AX-0xx, xx=feet (10 foot min.)	DS1 Cables 32 pair, AMP ends B-side (Qty. 2)
PCI-AC-WME-BATT-L1	Battery Back-Up enclosure for 15310-MA WME. Includes battery tray with pad and spacers, battery hold-down bar, and battery cable harness (Customer specifies battery manufacturer)
PCI-WME-PLUG	15310-MA DS1 Cable Direction Changer Plug
PCI-AC-BATT-ADJFT	Four (4) adjustable feet for Battery Enclosure for floor-mount
Battery Manufacturers (Suggested because size fits tray)	
EnerSys #SBSB14FT 62 Ah	Approx. 8 hours of back-up (PID 310130851)
EnerSys #SBSB10FT 34 Ah	Approx. 4 hours of back-up
Northstar #NSB60FT 57.7 Ah	Approx. 8 hours of back-up
Northstar #NSB40FT 38.1 Ah	Approx. 4 hours of back-up
FIAMM #12FAT 60 60 Ah	(needs P1039-L FT adapter) Approx. 8 hours of back-up
FIAMM #12FAT30 30 Ah	(needs P1039-L FT adapter) Approx. 4 hours of backup
Marathon #12V60FT 60 Ah	Approx. 8 hours of back-up
Marathon #12V35FT 35 Ah	Approx. 4 hours of back-up

*x"RU = Rack Units 1 RU = 1.75"

Table 2. Cisco ONS 15310-MA AC-WME Specifications

WME Description	Specification
Dimensions (H x W x D)	16 x 22 x 16 in. (40.6 x 55.9 x 40.6 cm.)
Weight	71 lbs (32.2050 kg) (approx., fully configured)
Cabinet	<ul style="list-style-type: none"> • Open Cover Alarms • Temperature Sensor on Battery Cabinet • Flexible Cable Entry-Exit
Enclosure Cover	<ul style="list-style-type: none"> • Lockable • Finger Holds • Vented
Alarms	Alarm terminal block monitors: <ul style="list-style-type: none"> • Power supply failure • Cover (WME or battery) is opened • Ambient temperature of the cabinet reaches +55 degrees C • No AC is present • Any module in the rectifier fails • Fuse failure • Circuit breaker trip • System low voltage
Redundant Rectifier	
Input voltage	110 VAC; 20 AMP
Output voltage	-48 VDC
Fusing	10 AMP Breaker
Battery Cabinet	
Capacity	4-8 Hours
Dimensions (H x W x D)	16 x 22 x 16 in. (40.6 x 55.9 x 40.6 cm)
Weight	189 lbs (85.7289 kg) (approx., with batteries)
Fusing	10 AMP Breaker
Battery Dimension Requirements	
Maximum dimensions (H x W x D)	10.23 x 4.1 x 11.02 in. (20.0 x 10.5 x 28.0 cm)
Voltage	12 Volts
Capacity	62A hours minimum (8 hours)
Operating Environment	
Temperature	-40 to +50 degrees Celsius
Humidity	5 to 85 percent, non-condensing long term and 5 to 95 percent, non-condensing short term (up to 96 hours)
NEBS Level 3	
UL 60950	

Ordering Information

Linkmont Technologies, Inc.
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Toll Free: (888) 724-9001
Direct: (303) 433-2333
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Service and Support

For service and support of standard configured (PCI-AC-WME) in-warranty/out-of-warranty products, please contact:

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For Cisco ONS 15310-MA
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