New Cisco ME 3800X Series Carrier Ethernet Switch Router

Product Bulletin No. 629133

Cisco is pleased to announce that you can now order the Cisco® ME 3800X Series Carrier Ethernet Switch Router (Figure 1). The Cisco ME 3800X Series Carrier Ethernet Switch Router is a converged, full-featured aggregation platform purposely designed for the mobile, business, and residential markets. With low power consumption and high service scale, this 1-rack-unit (1RU) switch router is optimized for small aggregation and remote point-of-presence (POP) applications, making it a highly cost-effective option. The Cisco ME 3800X Series expands the Cisco Carrier Ethernet aggregation portfolio while complementing the Cisco 7600 Series and ASR 9000 Series Routers by providing a rich and scalable feature set of Layer 2 and Layer 3 VPN services in a compact package.

Figure 1.   Cisco ME 3800X Series Carrier Ethernet Switch Router

Key Hardware Features and Options

- 1RU, fixed-form-factor platforms
- 24 Gigabit Ethernet port and two 10 Gigabit Ethernet ports
- Hot-swappable and field-replaceable integrated power supply and fan tray
- AC or DC power supply with DC input ranging from 18V to 32 VDC and 36V to 72 VDC
- Ethernet and console port for manageability
- Secure digital (SD) flash card slot for additional external storage
- One external timing input (BITS)
- Stratum 3 network clock
- Line-rate performance with 65-mpps forwarding rate
- Support for dying gasp on loss of power
- Support for a variety of small form-factor pluggable (SFP) and SFP+ with support for digital optical monitoring (DOM)
- Generic on-line diagnostics (GOLD) and onboard failure logging (OBFL) help prevent system issues before they occur
- Deep buffers designed to accommodate today's cloud and mobile applications

Table 1 provides brief descriptions of the Cisco ME 3800X Series Carrier Ethernet Switch Router hardware options.

Table 1. Cisco ME 3800X Series Carrier Ethernet Switch Router Hardware Options

Product Name	Part Number	Description
Cisco ME 3800X-24FS Ethernet Access Switch	ME-3800X-24FS-M	• 24 Gigabit Ethernet SFP ports • 2 10GE SFP+ ports
Cisco ME 3600X/ME 3800X Series field-replaceable AC power supply and fan module	PWR-ME3KX-AC	AC power supply and fan module for ME-3600X-24FS-M, ME-3600X-24TS-M or ME-3800X-24FS-M
Cisco ME 3600X/ME 3800X Series field-replaceable DC power supply and fan module	PWR-ME3KX-DC	DC power supply and fan module for ME-3600X-24FS-M, ME-3600X-24TS-M or ME-3800X-24FS-M
Cisco ME 3600X/ME 3800X Series spare field-replaceable AC power supply and fan module	PWR-ME3KX-AC =	Spare AC power supply and fan module for ME-3600X-24FS-M, ME-3600X-24TS-M or ME-3800X-24FS-M
Cisco ME 3600X/ME 3800X Series spare field-replaceable DC power supply and fan module	PWR-ME3KX-DC=	Spare DC power supply and fan module for ME-3600X-24FS-M, ME-3600X-24TS-M or ME-3800X-24FS-M
Cisco ME 3600X/ME 3800X Series spare fan tray	ME-FANTRAY=	Spare fan tray for ME-3600X-24FS-M, ME-3600X-24TS-M or ME-3800X-24FS-M
ETSI Rack mount Option for the Cisco ME 3600X/ME 3800X Series	RCKMNT-ME3KX-ETSI	ETSI Rack mount Option for the Cisco ME3600X/ME3800X Series
23" Rack mount Option for Cisco ME 3600X//ME 3800X Series	RCKMNT-ME3KX-23IN	23" Rack mount Option for Cisco ME 3600X//ME 3800X Series
Angled Rack mount for Cisco ME 3600X/ME 3800X Series	RCKMNT-ME3KX-ANG	23" Rack mount Option for Cisco ME 3600X//ME 3800X Series
Spare ETSI Rack mount Option for the Cisco ME 3600X/ME 3800X Series	RCKMNT-ME3KX-ETSI=	Spare ETSI Rack mount Option for the Cisco ME3600X/ME3800X Series
Spare 23" Rack mount Option for Cisco ME 3600X//ME 3800X Series	RCKMNT-ME3KX-23IN=	Spare 23" Rack mount Option for Cisco ME 3600X//ME 3800X Series
Spare Angled Rack mount for Cisco ME 3600X/ME 3800X Series	RCKMNT-ME3KX-ANG=	Spare Angled Rack mount Option for Cisco ME 3600X//ME 3800X Series
Spare 19" Rack mount Option for Cisco ME 3600X//ME 3800X Series	RCKMNT-ME3KX-19IN=	Spare 19" Rack mount Option for Cisco ME 3600X//ME 3800X Series

Software Features and Options

- Ethernet virtual circuit (EVC) support for flexible mapping of customer flows to service provider service instances

- Support for 4000 VLANs and up to 8000 bridge domains

- Carrier Ethernet Operations, Administration, and Maintenance (OAM) protocol features like 802.1ag Connectivity Fault Management (CFM), 802.3ah Link OAM, and Ethernet Local Management Interface (E-LMI) for enhanced link or service operation and management

- Multiprotocol Label Switching (MPLS) on all ports to extend MPLS control plane to the access

- Traffic Engineering (TE) and Fast Reroute (FRR) for higher service resiliency

- Resilient Ethernet Protocol (REP), Flexlink, and Spanning Tree Protocol (STP) support for Layer 2 resiliency and fast convergence

- Enhanced Services with MPLS based VPNs (EoMPLS and L3VPN)

- Cisco Modular QoS CLI (MQC)-based quality of service (QoS) with three-level, hierarchical QoS providing egress shaping per port, VLAN, or class of traffic

Table 2 provides brief descriptions of the Cisco ME 3800X Series software options.

Table 2.   Cisco ME 3800X Series Software Options

Product Name	Part Number	Description
License Options		
Cisco ME3800X Metro Ethernet Services Software Paper License	ME3800X-E	ME3800X Metro Ethernet Services License with paper delivery
Cisco ME 3800X Series Metro IP Services Software Paper License	ME3800X-I	Metro IP Services software license with paper delivery
Cisco ME 3800X Series Metro Aggregation Services Software Paper License	ME3800X-A	Metro Aggregation Services software license with paper delivery
Cisco ME 3800X Series Metro IP2 Aggregation Services Software Paper License	ME3800X-I-A	Metro IP to Aggregation Services software license with paper delivery
Cisco ME 3800X Series SCALED Software Paper License	ME3800X-S	Scalability software license with paper delivery
Product Activation Keys		
Product activation keys for ME3800X Series (Paper Delivery)	ME3800X-LIC=	Product activation keys for ME3800X Series (Paper Delivery)
Product activation keys for ME3800X Series (E-Delivery)	L-ME3800X-LIC=	Product activation keys for ME3800X Series (E-Delivery)
License Upgrade Options		
Cisco ME 3800X Series Metro IP Services Software E License	L-ME3800X-I	Metro IP Services software license with Electronic delivery
Cisco ME 3800X Series Metro Aggregation Services Software E License	L-ME3800X-A	Metro Aggregation Services software license with Electronic delivery
Cisco ME 3800X Series Metro IP2 Aggregation Services Software E License	L-ME3800X-I-A	Metro IP to Aggregation Services software license with Electronic delivery
Cisco ME 3800X Series SCALED Software E License	L-ME3800X-S	Scalability software license with Electronic delivery
Software Options		
Cisco ME 380X Series IOS UNI. W/O Crypto	S380XVT-12252EY	Cisco ME 3800X Non K9 Software image
Cisco ME 380X Series IOS UNI. W/O Crypto	S380XVT-12252EY=	Cisco ME 3800X Non K9 Software image spare
Cisco ME 380X Series IOS Universal With Web Based Dev Mgr	S380XVK9T-12252EY	Cisco ME 3800X K9 Software image
Cisco ME 380X Series IOS Universal With Web Based Dev Mgr	S380XVK9T-12252EY=	Cisco ME 3800X K9 Software image spare

Ordering Information

To place an order, visit the Cisco Ordering Home Page at http://www.cisco.com/en/US/ordering/index.shtml and refer to Tables 1 and 2.

To download software, visit the Cisco Software Center at: http://www.cisco.com/cisco/web/download/index.html. Select "Switches" and then "Service Provider – Aggregation," and scroll to Cisco ME3800X Carrier Ethernet Switch Router Series.

For More Information

For more information about the Cisco ME 3800X Series, visit http://www.cisco.com/en/US/products/ps10965/index.html or contact your local Cisco account representative.

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