New Cisco ME 3600X Series Ethernet Access Switches

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Cisco is pleased to announce that you can now order the Cisco® ME 3600X Series Ethernet Access Switches (Figure 1). The Cisco ME 3600X Series of Ethernet Access Switches are Cisco's first series of switches built specifically for the convergence of wireless and wired network services. A natural evolution to Cisco's Carrier Ethernet portfolio, the Cisco ME 3600X Series extends the portfolio's transport speed to 10 Gbps in the access layer for business and mobile applications. It also enables service providers to initiate Multiprotocol Label Switching (MPLS)-based VPN services from within the access layer. Designed around important Carrier Ethernet features that simplify network operation, the Cisco ME 3600X Series enables premium services with enhanced service-level agreement (SLA) capabilities. An optional "pay-as- you-grow" feature and service activation model gives service providers a flexible, cost-effective solution.

Figure 1.   Cisco ME 3600X Series Ethernet Access Switches

Key Hardware Features and Options

- 1-rack-unit (1RU), fixed-form-factor platforms available in copper and fiber hardware-optimized configurations

- 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

Table 1 provides brief descriptions of the Cisco ME 3600X Series Ethernet Access Switch hardware options.

Table 1. Cisco ME 3600X Series Ethernet Access Switch Hardware Options

Product Name	Part Number	Description
Cisco ME 3600X-24TS Ethernet Access Switch	ME-3600X-24TS-M	• 24 10/100/1000 ports • 2 10GE SFP+ ports
Cisco ME 3600X-24FS Ethernet Access Switch	ME-3600X-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=	SpareETSI 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 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
- MPLS on all ports to extend MPLS control plane to the access of the network
- MPLS Traffic Engineering (MPLS-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 3600X Series Ethernet Access Switch software options.

Table 2.   Cisco ME 3600X Series Ethernet Access Switch Software Options

Product Name	Part Number	Description
License Options		
Cisco ME 3600X Series METROIPACCES Software Paper License	ME3600X-I	Metro IP Access software license with paper delivery
Cisco ME 3600X Series ADVANCEDMETROIPACCES Software Paper License	ME3600X-A	Advanced Metro IP Access software license with paper delivery
Cisco ME 3600X Series 10GEUPGRADE Software Paper License	ME3600X-10G	10GE Upgrade license with paper delivery
Product Activation Keys		
Product activation key for ME3600X Series (Paper Delivery)	ME3600X-LIC=	Product activation key for ME3600X Series (Paper Delivery)
Product activation key for ME3600X Series (E-Delivery)	L-ME3600X-LIC=	Product activation key for ME3600X Series (E-Delivery)
License Upgrade Options		
Cisco ME 3600X Series ADVANCEDMETROIPACCES Software E License	L-ME3600X-A	Advanced Metro IP Access software license with Electronic delivery
Cisco ME 3600X Series 10GEUPGRADE Software E License	L-ME3600X-10G	10GE Upgrade license with Electronic delivery
Software Options		
Cisco ME 360X SERIES IOS UNI. W/O CRYPTO	S360XVT-12252EY	Cisco ME 360X SERIES IOS Universal image without crypto.
Cisco ME 360X SERIES IOS UNI. W/O CRYPTO Spare	S360XVT-12252EY=	Spare Cisco ME 360X SERIES IOS Universal image without crypto.
Cisco ME 360X SERIES IOS UNIVERSAL WITH WEB BASED DEV MGR	S360XVK9T-12252EY	Cisco ME 360X SERIES IOS Universal image with web based Dev manager
Cisco ME 360X SERIES IOS UNIVERSAL WITH WEB BASED DEV MGR Spare	S360XVK9T-12252EY=	Spare Cisco ME 360X SERIES IOS Universal image with web based Dev manager

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 – Ethernet Access," and scroll to Cisco ME3600X Series Ethernet Access Switches.

For More Information

For more information about the Cisco ME 3600X Series Ethernet Access Switches, visit http://www.cisco.com/en/US/products/ps10956/index.html or contact your local Cisco account representative.