

Cisco IOS Software Release 15.2(2)S for Cisco ME 3800X Series Carrier Ethernet Switch Routers

Cisco announces Cisco IOS[®] Software Release 15.2(2)S for Cisco[®] ME 3600X Series Ethernet Access Switches and Cisco ME 3800X Series Carrier Ethernet Switch Routers. This release advances Cisco's leadership role in the carrier Ethernet access and aggregation space by providing enhanced Layer 2 and Layer 3 VPN capabilities. This new release introduces major product enhancements in quality of service (QoS); IPv4 and IPv6 services; Ethernet operations, administration, and maintenance (OAM); and security. This product bulletin contains content and delivery information for Cisco IOS Software Release 15.2(2)S.

New Features

Cisco IOS Release 15.2(2)S on the Cisco ME 3800X Series brings support for:

- Y.1731 performance monitoring:** With the introduction of this standard-based method of measuring delay and delay variations (ETH-DM) on the Cisco ME 3800X Series, carriers can monitor performance and report on service-level agreements (SLAs) based on an ITU standard.
- Security enhancements:** The platform is enhanced to provide access control list (ACL) capability on Ethernet virtual circuit (EVC) interfaces and filter traffic on Layer 2, IPv4, and IPv6 profiles. QoS access lists are also enhanced to support Layer 4 Port Number ACLs. The Dynamic Host Configuration Protocol (DHCP) functionality introduced in this new software release includes support for DHCP snooping and option 82 capability. To protect CPU and limit traffic flows to the processor, Control Plane Policing is introduced on the Cisco ME 3800X Series. To limit Layer 2 MAC address usage, this software version introduces MAC limiting functionality per VPLS Virtual Forwarding Instance (VFI) or per bridge domain.
- Enhanced multicast:** Multicast is enhanced in Release 15.2(2)S to support IGMP snooping over Port Bundles and IPv4 multicast support in VRF lite.
- Simplified operation:** To simplify operation of the switch and help service providers minimize Opex, this release introduces these new features: Cisco IOS Embedded Event manager (EEM) Release 4, Cisco Emergency licenses and QoS table map.

Ordering Information

Table 1 provides the list of part numbers for the Cisco ME 3800X Series.

Table 1. Ordering Information for Cisco ME 3800X Series

Cisco ME 3800X Series Switch Router	Part Number
Cisco ME 3800X-24FS Ethernet Access Switch	ME-3800X-24FS
Cisco ME 3800X Metro Ethernet Services License	ME3800X-E
Cisco ME 3800X Series METRO IP SERVICES Software Paper License	ME3800X-I
Cisco ME 3800X Series METRO AGGREGATION SERVICES Software Paper License	ME3800X-A

Cisco ME 3800X Series Switch Router	Part Number
Cisco ME 3800X Series METRO IP2 AGGREGATION SERVICES Software Paper License	ME3800X-I-A
Product activation keys for ME 3800X Series (Paper Delivery)	ME3800X-LIC=
Product activation keys for ME 3800X Series (E- Delivery)	L-ME3800X-LIC=
Cisco ME 380X SERIES IOS UNIVERSAL W/O CRYPTO TAR	S380XVT-15202S
Cisco ME 380X SERIES IOS UNIVERSAL TAR	S380XVK9T-15202S

To place an order, visit the [Cisco Ordering Home Page](#). To download software, visit the [Cisco Software Center](#).

Cisco Services

Cisco IOS Software Release 15.2(2)S follows the standard Cisco support policy. For more information, visit www.cisco.com/en/US/products/products_end-of-life_policy.html.

For More Information

Software is available for download from the following site:

www.cisco.com/cisco/software/navigator.html?a=a&i=rpm.

Additional product information on the Cisco ME 3800X Series Carrier Ethernet Switch Router is available at

www.cisco.com/en/US/products/ps10965/index.html.



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