CISCO SYSTEMS

Product Bulletin No. 364399

Introducing New Cisco ME 3400 Series Ethernet Access Switches – Cisco ME 3400G-12CS and 3400G-2CS Switches

PRODUCT OVERVIEW

Cisco Systems® introduces three new switches to its Cisco® ME 3400 Series Ethernet Access Switches, a series of next-generation customer-located equipment (CLE) built especially for triple-play (data, voice, and video) Layer 2 and Layer 3 VPN services. The three new switches are the Cisco ME 3400G-12CS AC, ME 3400G-12CS DC, and ME 3400G-2CS AC Switches. The Cisco ME 3400G-12CS AC and DC Switches are positioned for service providers who want to offer higher-bandwidth services. Equipped with dual-purpose interfaces and redundant power supplies, these Gigabit switches can also be positioned for in-building aggregation. The Cisco ME 3400G-2CS Switch is positioned as the intelligent Ethernet demarcation device at the customer premises. With support of Ethernet operations, administration, maintenance, and provisioning (OAM&P) features, the Cisco ME 3400G-2CS greatly reduces service providers' operating expenses (OpEx) by supporting remote monitoring and troubleshooting. Designed to replace the "Smartjack" in TDM networks, the Cisco ME 3400G-2CS also offers advanced functionalities such as Flex-Links for link redundancy, quality of service (QoS) for differentiated services, and Layer 3 routing for advance IP services to support highly available premium services.

Table 1 provides brief descriptions of the Cisco ME 3400 Series Switches and options.

Table 1.   Cisco ME 3400 Series Ethernet Access Switches and Software Feature Images

Product Name (Part Number)	Description
Cisco ME 3400G-12CS AC Ethernet Access Switch (ME-3400G-12CS-A) NEW	• 12 dual-purpose (10/100/1000 and Small Form-Factor Pluggable [SFP]) ports • 4 SFP-based Gigabit Ethernet and 100BASE-X ports • Dual fixed redundant AC power supplies • 26-mpps forwarding rate • 1 rack unit (RU) multilayer switch • Purpose-built Gigabit Ethernet access switch for the Metro Ethernet market • 3 Cisco IOS® Software feature image options (METROBASE, METROACCESS, and METROIPACCESS)
Cisco ME 3400G-12CS DC Ethernet Access Switch (ME-3400G-12CS-D) NEW	• 12 dual-purpose (10/100/1000 and SFP) ports • 4 SFP-based Gigabit Ethernet and 100BASE-X ports • Dual fixed redundant DC power supplies • 26-mpps forwarding rate • 1 RU multilayer switch • Purpose-built Gigabit Ethernet access switch for the Metro Ethernet market • 3 Cisco IOS Software feature image options (METROBASE, METROACCESS, and METROIPACCESS)
Cisco ME 3400-2CS AC Ethernet Access Switch (ME-3400G-2CS-A) NEW	• 2 dual-purpose (10/100/1000 and SFP) ports • 2 SFP-based Gigabit Ethernet and 100BASE-X ports • AC power supplies • 6.5-mpps forwarding rate • 1 RU small form-factor multilayer switch • Purpose-built intelligent Ethernet demarcation switch • 3 Cisco IOS Software feature image options (METROBASE, METROACCESS, and METROIPACCESS)

Product Name (Part Number)	Description
Cisco ME 3400-24TS AC Ethernet Access **(ME-3400-24-TS-A)**	• 24 Ethernet 10/100 ports • 2 SFP-based Gigabit Ethernet and 100BASE-X ports • AC power supply • 6.5-mpps forwarding rate • 1 RU multilayer switch • Purpose-built Ethernet access switch for the Metro Ethernet market • 3 Cisco IOS Software feature image options (METROBASE, METROACCESS, and METROIPACCESS)
Cisco ME 3400-24TS DC Ethernet Access Switch **(ME-3400-24-TS-D)**	• 24 Ethernet 10/100 ports • 2 SFP-based Gigabit Ethernet and 100BASE-X ports • DC power supply • 6.5-mpps forwarding rate • 1RU multilayer switch • Purpose-built Ethernet access switch for the Metro Ethernet market • 3 Cisco IOS Software feature image options (METROBASE, METROACCESS, and METROIPACCESS)
Cisco ME 3400 Series METROBASE Software Feature Image **(S340XB-12225SEG1)**	• Cisco ME 3400 Series METROBASE software feature image • Standard Layer 2 feature image targeted for triple-play services • Advance QoS: Ingress policing and egress shaping • Robust multicast: IGMP filtering and throttling, and Multicast VLAN Registration (MVR) • Complete security: UNI/NNI, Control Plane Security, and Configuration File Security
Cisco ME 3400 Series METROACCESS Software Feature Image **(S340XA-12225SEG1)**	• Cisco Metro 3400 Series METROACCESS software feature image • Enhanced Layer 2 feature images targeted for premium triple-play services and Layer 2 VPN services • Advance Layer 2 Tunneling: 802.1q tunneling and Layer 2 Protocol Tunneling (L2PT) • Industry-standard Layer 2 management: 802.1ag (CFM) and E-LMI • Fast convergence: Flex-Link, Link-State Tracking
Cisco ME 3400 Series METROIPACCESS Software Feature Image **(S340XI-12225SEG1)**	• Cisco ME 3400 Series METROIPACCESS software feature image • Layer 3 feature images targeted for Layer 3 VPN services • IP routing (RIP versions 1 and 2, EIGRP, OSFP, IS-IS, and BGPv4) • Secured Layer 3: Multi-VRF CE • Enhanced routing: Policy-Based Routing
Upgrade Kit for METROACCESS **from METROBASE** **(CD-ME3400-B2A=)**	METROACCESS image upgrade kit from METROBASE image
Upgrade Kit for METROIPACCESS **from METROBASE** **(CD-ME3400-B2I=)**	METROIPACCESS image upgrade kit from METROBASE image
Upgrade Kit for METROIPACCESS **from METROACCESS** **(CD-ME3400-A2I=)**	METROIPACCESS image upgrade kit from METROACCESS image

KEY FEATURES

Hardware

- Compact form factor for easy deployment

- All front access connectors to simplify troubleshooting in the field

- Network Equipment Building Standards Level 3 (NEBS3) certification (ME-3400-24TS, ME-3400G-12CS, ME-3400G-2CS) and European Telecommunications Standards Institute (ETSI) certification (ME-3400-24TS)

Software

- Mission-specific software designed for the Ethernet access application

- Support for multiple software images to provide a "pay-as-you-grow" deployment model

- New UNI/NNI port types to simplify management, deployment, and troubleshooting

- Industry standard OAM&P features (802.1ag, E-LMI)

- Complete security solution to protect subscribers, switches, and network

AVAILABILITY

The new Cisco ME 3400G-12CS Switches begin shipping in September 2006.

The new Cisco ME 3400G-2CS Switch begins shipping in February 2007.

FOR MORE INFORMATION

For more information about the Cisco ME 3400 Series, please visit www.cisco.com/en/US/products/ps6580/index.html or contact your local Cisco account representative or ask-me3400-pm@cisco.com.

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Printed in USA   C25-364399-00 09/06