

Cisco IOS Software Release 12.1(8a)EW on the Catalyst 4000 Supervisor Engine III

Introduction

This product bulletin outlines the hardware and software features supported in Cisco IOS® Software Release 12.1(8a)EW on the Catalyst 4000 Supervisor Engine III. Software Release 12.1(8a)EW is the first release of IOS for the new switch engine which supports non-blocking Layer2/3/4 switching with enhanced control. Release 12.1(8a)EW is derived from the IOS 12.1E train. Release 12.1(8a)EW is only supported on the Catalyst 4000 Supervisor Engine III. It does not run on the Catalyst 4000 Supervisor Engine I or II and it does not run on any other switching or routing platforms.

Features in Cisco IOS Release 12.1(8a)EW

The following features will be delivered in the initial release of 12.1(8a)EW.

Table 1 Cisco IOS Release 12.1(8a)EW Hardware Support

Product Number	Description
WS-X4014=	Catalyst 4006 Supervisor Engine III (spare)
WS-C4006-S3	Catalyst 4006 Chassis, with Supervisor Engine III and 2 AC power supplies
WS-C4006-S3-DC	Catalyst 4006 Chassis, with Supervisor Engine III and 2 DC power supplies
WS-X4124-FX-MT	Catalyst 4000 FE Switching Module, 24- 100FX MMF (MTRJ)
WS-X4148-FX-MT	Catalyst4000 FE Switching Module, 48-100FX MMF(MTRJ)
WS-X4148-RJ	Catalyst 4000 10/100 Module, 48-ports (RJ-45)
WS-X4148-RJ21	Catalyst 4000 10/100 Module, 48-ports Telco (4xRJ-21)
WS-X4148-RJ45V	Catalyst 4000 Inline Power 10/100, 48-Ports (RJ-45) data and phone with external power - PEM and power shelf not supported in this release
WS-X4232-GB-RJ	Catalyst 4000 32-10/100 (RJ-45), 2-GE(GBIC) Module
WS-X4232-RJ-XX	Catalyst 4000 32-10/100 (RJ-45) + Modular Uplink Slot

Product Number	Description
WS-X4424-GB-RJ45	Catalyst 4000 24-port 10/100/1000 Module (RJ45)
WS-X4306-GB	Catalyst 4000 Gigabit Ethernet Module, 6-Ports (GBIC)
WS-X4412-2GB-T	Catalyst 4000 GE Module, 12-1000T(RJ45)+2-1000X (GBIC)
WS-X4418-GB	Catalyst 4000 GE Module, Server Switching 18-Port (GBIC)
WS-X4448-GB-LX	Catalyst 4000 48-Port 1000Base-LX (SFP)
WS-X4448-GB-RJ45	Catalyst 4000 48-port 10/100/1000 Module (RJ45)
WS-U4504-FX-MT	Catalyst 4000 Uplink Daughter Card,4-port 100FX (MTRJ)
WS-G5484	1000BASE-SX Short Wavelength GBIC (Multimode only)
WS-G5486	1000BASE-LX/LH long haul GBIC (singlemode or multimode)
WS-G5487	1000Base-ZX extended reach GBIC (singlemode)
MEM-C4K-FLD64M	Catalyst 4000 Compact Flash, 64MB Option
MEM-C4K-FLD128M	Catalyst 4000 Compact Flash, 128MB Option

The release 12.1(8a)EW supports software features as detailed in the release notes and configuration guide. These include IP CEF routing (48 million pps), IP static routing, IP routing protocols (OSPF, IGRP, EIGRP, RIP, RIP2, BGP4), 802.1p, 802.1q and ISL, spanning tree enhancements, port aggregation (EtherChannel), CDP, security and management features (ACLs, TACACS, RADIUS, SPAN, MIBs), multicast features (PIM sparse and dense, CGMP, IGMP, SSM, MBGP, MSDP), quality of service features (classification, rewriting, policing, marking, shaping and sharing, strict priority queuing).

For more information please refer to the Release Notes for the Catalyst 4006 Switch with Supervisor Engine III, Cisco IOS software release 12.1(8a)EW:

http://www.cisco.com/univercd/cc/td/doc/product/lan/cat4000/12_18a/ol_2170.htm

Refer also to the Catalyst 4000 Series documentation at: <http://www.cisco.com/univercd/cc/td/doc/product/lan/cat4000/index.htm>


Support

Cisco IOS software release 12.1(8a)EW follows the standard Cisco support policy as indicated in the following link.

http://www.cisco.com/en/US/products/products_end-of-life_policy.html

Product Numbers

Table 2 Cisco IOS Software Release 12.1(8a)EW Feature Sets, Images, and Software Licenses



Product Number	Description	Image
S4KL3-12108EW	Cisco IOS for the Catalyst 4000. Basic Layer 3 Software Image	cat4000-is-mz.121-8a.EW
S4KL3E-12108EW	Cisco IOS for the Catalyst 4000. Enhanced Layer 3 Software Image including OSPF, IGRP and EIGRP	cat4000-is-mz.121-8a.EW
FR-IRC4	Catalyst 4000 Supervisor III InterDomain Routing Feature License	N/A

For additional questions regarding this release, or the Cisco IOS Software on the Catalyst 4000 Supervisor Engine III, please contact your Cisco Sales Representative.

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