



PRODUCT BULLETIN NO. 2623

## INTRODUCING CISCO CATALYST 4948 FIXED-CONFIGURATION SWITCH FOR RACK-OPTIMIZED SERVER SWITCHING

Cisco Systems® is pleased to announce the Cisco® Catalyst® 4948 Switch, a wire-speed, low latency, 48-port 10/100/1000 Ethernet, Layer 2–4, 1-rack-unit (RU), fixed-configuration switch for rack-optimized server-switching applications. An external announcement is scheduled for September 27, 2004. The Cisco Catalyst 4948 Switch offers exceptional performance and reliability for Layer 2 and Layer 3 server switching deployments for enterprise and small and medium-sized (SMB) businesses.

The new Cisco Catalyst 4948 Switch is available for order immediately, with first customer shipment (FCS) planned for September 15, 2004.

This product bulletin contains the following information:

- Product overview
- Product number and pricing
- Software requirements
- FCS schedule and lead times
- Online documentation
- Competitive information
- Marketing contacts

### PRODUCT OVERVIEW

The Cisco Catalyst 4948 Switch is a wire-speed, low-latency, 1 RU fixed-configuration switch for rack-optimized server switching. Based on the proven Cisco Catalyst 4500 Series hardware and software architecture. The Cisco Catalyst 4948 offers exceptional performance and reliability for low-density, multilayer aggregation of high-performance servers and workstations.

The Cisco Catalyst 4948 offers 48 ports of wire-speed Layer 2–4 10/100/1000-BASE-T with four alternative wired ports that can accommodate optional 1000-BASE-X Small Form-Factor Pluggable (SFP) optics\* Exceptional reliability and serviceability is delivered with optional internal AC or DC 1+1 hot-swappable power supplies and a hot-swappable fan tray with redundant fans.

\* The Cisco Catalyst 4948 has 52 physical switching ports (48 10/100/1000 and four SFP) on the front panel. Up to 48 of these ports can be active at one time in any combination.

Important Features:

- **Wire-speed performance for 10/100/1000 Ethernet connectivity**—96-Gbps switching fabric with 72-mpps forwarding rate for Layer 2–4
- **Power supply redundancy for nonstop operation**—1+1 redundant hot swappable internal AC or DC power supplies
- **Robust network security**—Prevent man-in-the-middle and IP spoofing attacks; access control lists (ACLs); Secure Shell (SSH) version 1 and version 2 protocols; Simple Network Management Protocol (SNMPv3) for secure remote access and network management

- **Comprehensive network management**—Dedicated 10/100 console port and dedicated 10/100 management port; remote in-band management through SNMP

## PRODUCT NUMBERS

Part numbers for the Cisco Catalyst 4948 are listed in Table 1. Table 2 shows software requirements. Table 3 shows shipping information.

**Table 1.** Ordering Information

Model Number	Product Description
WS-C4948-S	Cisco Catalyst 4948, standard multilayer software image, one AC power supply, fan tray
WS-C4948-E	Cisco Catalyst 4948, enhanced multilayer software image, one AC power supply, fan tray
WS-C4948	Cisco Catalyst 4948, optional software image, optional power supplies, fan tray
PWR-C49-300AC(=)	Cisco Catalyst 4948 300W AC power supply
PWR-C49-300AC/2	Cisco Catalyst 4948 300W AC power supply redundant
PWR-C49-300DC(=)	Cisco Catalyst 4948 300W DC power supply
PWR-C49-300DC/2	Cisco Catalyst 4948 300W DC power supply redundant
S49L3K9-12220EWA(=)	Standard multilayer software image: Routing Information Protocol (RIP), static routes, IPX, Appletalk; 3DES image
S49L3-12220EWA(=)	Standard multilayer software image: RIP, static routes, IPX, Appletalk
S49L3EK9-12220EWA (=)	Enhanced multilayer software image: OSPF, IS-IS, EIGRP, BGP; 3DES image
S49L3E-12220EWA(=)	Enhanced multilayer software image: OSPF, IS-IS, EIGRP, BGP
WS-X4991=	Cisco Catalyst 4948 fan tray (spare)
C4948-ACC-KIT=	Spare rack mount and cable guide
C4948-BKT-KIT=	Cisco Catalyst 4900 Series front- and rear-mount brackets

## SOFTWARE REQUIREMENTS

Product	Software Type	Min Software Req.
Cisco Catalyst 4948 Series	Cisco IOS® Software	Cisco IOS Release 12.2(20)EWA or greater

## FCS SCHEDULE AND LEAD TIMES

Product	Ordering Opened	Target FCS	Volume Ship	Lead Time
WS-C4948-S	Now	September 15, 2004	October 15, 2004	N/A
WS-C4948-E	Now	September 15, 2004	October 15, 2004	N/A
WS-C4948	Now	September 15, 2004	October 15, 2004	N/A

## ONLINE DOCUMENTATION

Cisco Catalyst 4948 product information, including data sheet, question and answer (Q&A), and architecture documents are available at:

<http://www.cisco.com/en/US/products/ps6021/index.html>

Cisco Catalyst 4948 Data Sheet:

[http://www.cisco.com/en/US/products/ps6021/products\\_data\\_sheets\\_list.html](http://www.cisco.com/en/US/products/ps6021/products_data_sheets_list.html)

Server Clustering White Paper:

[http://www.cisco.com/en/US/products/ps6021/prod\\_white\\_papers\\_list.html](http://www.cisco.com/en/US/products/ps6021/prod_white_papers_list.html)



### Corporate Headquarters

Cisco Systems, Inc.  
170 West Tasman Drive  
San Jose, CA 95134-1706  
USA  
[www.cisco.com](http://www.cisco.com)  
Tel: 408 526-4000  
800 553-NETS (6387)  
Fax: 408 526-4100

### European Headquarters

Cisco Systems International BV  
Haarlerbergpark  
Haarlerbergweg 13-19  
1101 CH Amsterdam  
The Netherlands  
[www-europe.cisco.com](http://www-europe.cisco.com)  
Tel: 31 0 20 357 1000  
Fax: 31 0 20 357 1100

### Americas Headquarters

Cisco Systems, Inc.  
170 West Tasman Drive  
San Jose, CA 95134-1706  
USA  
[www.cisco.com](http://www.cisco.com)  
Tel: 408 526-7660  
Fax: 408 527-0883

### Asia Pacific Headquarters

Cisco Systems, Inc.  
168 Robinson Road  
#28-01 Capital Tower  
Singapore 068912  
[www.cisco.com](http://www.cisco.com)  
Tel: +65 6317 7777  
Fax: +65 6317 7799

Cisco Systems has more than 200 offices in the following countries and regions. Addresses, phone numbers, and fax numbers are listed on the **Cisco Web site at [www.cisco.com/go/offices](http://www.cisco.com/go/offices).**

Argentina • Australia • Austria • Belgium • Brazil • Bulgaria • Canada • Chile • China PRC • Colombia • Costa Rica • Croatia • Cyprus • Czech Republic • Denmark • Dubai, UAE • Finland • France • Germany • Greece • Hong Kong SAR • Hungary • India • Indonesia • Ireland • Israel • Italy • Japan • Korea • Luxembourg • Malaysia • Mexico • The Netherlands • New Zealand • Norway • Peru • Philippines • Poland • Portugal • Puerto Rico • Romania • Russia • Saudi Arabia • Scotland • Singapore • Slovakia • Slovenia • South Africa • Spain • Sweden • Switzerland • Taiwan • Thailand • Turkey • Ukraine • United Kingdom • United States • Venezuela • Vietnam • Zimbabwe

Copyright © 2004 Cisco Systems, Inc. All rights reserved. CCIP, CCSP, the Cisco *Powered* Network mark, Cisco Unity, Follow Me Browsing, FormShare, and StackWise are trademarks of Cisco Systems, Inc.; Changing the Way We Work, Live, Play, and Learn, and iQuick Study are service marks of Cisco Systems, Inc.; and Aironet, ASIST, BPX, Catalyst, CCDA, CCDP, CCIE, CCNA, CCNP, Cisco, the Cisco Certified Internetwork Expert logo, Cisco IOS, the Cisco IOS logo, Cisco Press, Cisco Systems, Cisco Systems Capital, the Cisco Systems logo, Empowering the Internet Generation, Enterprise/Solver, EtherChannel, EtherSwitch, Fast Step, GigaStack, Internet Quotient, IOS, IP/TV, iQ Expertise, the iQ logo, iQ Net Readiness Scorecard, LightStream, Linksys, MGX, MICA, the Networkers logo, Networking Academy, Network Registrar, *Packet*, PIX, Post-Routing, Pre-Routing, RateMUX, Registrar, ScriptShare, SlideCast, SMARTnet, StrataView Plus, Stratm, SwitchProbe, TeleRouter, The Fastest Way to Increase Your Internet Quotient, TransPath, and VCO are registered trademarks of Cisco Systems, Inc. and/or its affiliates in the United States and certain other countries.

All other trademarks mentioned in this document or Web site are the property of their respective owners. The use of the word partner does not imply a partnership relationship between Cisco and any other company. (0402R) 204108.19\_ETMG\_JR\_11.04

