



**UK Press contacts**

Perveen Akhtar  
Cisco Systems  
+44 208 824 4478  
[pakhtar@cisco.com](mailto:pakhtar@cisco.com)

Nick Hay/Armand David  
Brands2Life  
+44 20 7592 1200  
[cisco@brands2life.com](mailto:cisco@brands2life.com)

**Cisco Increases Network Application Resiliency and Performance with More Than 20 New Cisco Catalyst Switch Offerings**

*New offerings enable customers to widely deploy higher levels of integrated security and availability as well as network-wide 10GbE and 10/100/1000 PoE*

**SAN JOSE, Calif. —Nov. 30, 2004** –Cisco Systems, Inc.® today announced new products and innovations for the Cisco® Catalyst® Switch portfolio to address customer needs for higher levels of security, availability, performance and investment protection.

The additions to the Cisco Catalyst switch portfolio include Cisco Catalyst 6500 and 4500 Series supervisor engines with enhanced security, availability and integrated 10 Gigabit Ethernet (GbE) and/or GbE uplinks, as well as the Cisco Catalyst 6500, 3750 and 3560 10/100/1000 Power Over Ethernet (PoE) products. Also announced were high availability (HA) offerings and the industry’s first GbE-enabled IP Phone.

“Networks must grow at the pace of business. To support their current and future needs, companies are seeking to improve both the reliability and security of their communications infrastructure,” said David Willis, vice president of Technology Research Services at META Group, a leading provider of IT research, advisory services and strategic consulting. “Not only is more capacity coming to the edge of the network, but more intelligence as well.”

**Leading Integrated Security, Availability and IP services**

In today’s network environment, the edge of the network faces increased security and availability issues that increase the risk of downtime. To address these issues, the Cisco Catalyst 6500 Supervisor Engine 32, with Policy Feature Card 3B, extends core innovations to the network edge. Based on the industry-leading Cisco Catalyst 6500 Supervisor Engine 720 technology, the Cisco Catalyst 6500 Supervisor Engine 32 now

allows customers to cost effectively enable hardware based security features, such as DoS mitigation to protect network application performance, and scaleable support for multicast applications at the network edge.

Designed to increase network and application availability, new Cisco IOS® high availability innovations include Layer 3 Non-Stop Forwarding with Stateful Switch Over (NSF/SSO) on the Cisco Catalyst 6500 and Layer 2 SSO on the Cisco Catalyst 6500 and Cisco Catalyst 4500. These enhancements enable sub-second failover capabilities for continuity of mission critical services such as IP Telephony. Additionally, the new Generic Online Diagnostics (GOLD) feature for the Cisco Catalyst 6500 series proactively detects and addresses potential faults in the switch before they impact network traffic and switch availability.

In addition to high availability features and technology, Cisco is sharing its 20 years of experience in building resilient networks by announcing new advanced services, training and design guides to maximize network uptime. Cisco is also announcing the Cisco Network Connectivity Center management tool which identifies connectivity problems in realtime for faster network troubleshooting.

### **End-to-End 10 GbE over Existing Fiber**

Building on its 10GbE market leadership, the Cisco Catalyst switch portfolio is extending 10GbE support to the network edge in its modular switches. The new Cisco Catalyst 6500 Supervisor Engine 32 is offered with a choice of two 10GbE XENPAK-based or eight one GbE Small Form Factor Pluggable (SFP) based uplinks.

Additionally, new to the Cisco Catalyst 4500 Series is a Layer 2/3/4 Supervisor Engine V-10GE which offers dual wire-speed 10 GbE ports or four GbE ports to maximize the flexibility of deployment options. The combination of 10GbE and GbE ports on the same supervisor engine provides investment protection in the LAN access—with an easy migration path to 10GbE by simply adding 10GbE optical interfaces. Both the Cisco Catalyst 6500 and 4500 series supervisor engines also include integrated NetFlow for more comprehensive network visibility, security and manageability.

### **Customer Trends Drive Broadest 10/100/1000 and PoE Portfolio**

Customers are investing in IP telephony and increasingly deploying 10/100/1000 to the desktop. Today, Cisco is introducing the industry's first GbE enabled phone, the Cisco IP Phone 7971G-GE, to allow unconstrained GbE bandwidth from the network to desktops. Also, Cisco is announcing one of the industry's most comprehensive sets of 10/100/1000 Ethernet switches with IEEE 802.3af Standards Based PoE capabilities to complement and power the new IP phone as well as other emerging network user devices.

Additions to the Cisco Catalyst portfolio include new Cisco Catalyst 3750 with StackWise™ technology and the Cisco Catalyst 3560 models that support 24- and 48-port 10/100/1000 with optional standards based PoE. These new models will help enable broader 10/100/1000 and PoE deployment options with integrated security, availability and quality of service (QoS).

Also announced are new Cisco Catalyst 6500 LAN Access Interface modules offering additional scalability, manageability and investment protection. These include new 48-port 10/100/1000, and 48-port 10/100 modules with enhanced QoS and cable fault detection capabilities for simplified management, and a 96-port 10/100 (RJ21) module for high port densities in compact form factors. All of these modules offer extended investment protection through modular field upgradeable standards based PoE daughter cards.

Other additions to the Cisco Catalyst 6500 include a new 48-port 100BASE-X module to support highly secure 100Mbps fiber deployments, a new 6000Watt power supply for simplified high density PoE deployments and a Cisco Catalyst Content Switching Module with integrated SSL (CSM-S) for datacenter deployments.

The breadth of today's announcements demonstrates Cisco's commitment to enabling new applications, enhancing productivity and maximizing network uptime, while preserving customer investments and advanced services options across the Cisco Catalyst intelligent switching portfolio. For additional information about the Cisco Catalyst Switch Portfolio updates please go to [www.cisco.com/go/LANswitching.com](http://www.cisco.com/go/LANswitching.com)

**Pricing and Availability**

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Orderability and Pricing			
Part Number	Product	Scheduled Orderability	Price
WS-SUP32-GE-3B	Cisco Catalyst 6500 Supervisor 32 (8xGbE), includes PFC3B	December, 2004	\$15,000
WS-SUP32-10GE-3B	Cisco Catalyst 6500 Supervisor 32 (2x10GbE), includes PFC3B	February, 2005	\$20,000
WS-X6148A-GE-TX	Cisco Catalyst 6500 48-port 10/100/1000 (adds Jumbo Frames and Enhanced QoS. Upgradeable to PoE)	December, 2004	\$7,000
WS-X6148A-GE-45AF	Cisco Catalyst 6500 48-port 10/100/1000 PoE (adds Jumbo Frames and Enhanced QoS)	December, 2004	\$9,000
WS-X6148-FE-SFP	Cisco Catalyst 6500 48-port 100BASE-X SFP Module	December, 2004	\$9,000
WS-X6148A-RJ-45	Cisco Catalyst 6500 48-port 10/100 (adds integrated TDR. Upgradeable to PoE)	December, 2004	\$6,000
WS-X6148A-45AF	Cisco Catalyst 6500 48-port 10/100 PoE (adds integrated TDR)	December, 2004	\$8,000
WS-X6196-RJ-21	Cisco Catalyst 6500 96-port 10/100 (RJ-21) upgradeable to PoE	December, 2004	\$10,500
WS-X6196-21AF	Cisco Catalyst 6500 96-port 10/100 (RJ-21) PoE	December, 2004	\$14,000
WS-CAC-6000W	Cisco Catalyst 6500 6000W AC power supply	December, 2004	\$5,000
WS-X6066-SLB-S-K9	Content Switching Module with Integrated SSL (CSM-S)	Today	\$49,995
WS-X4516-10GE	Cisco Catalyst 4500 Supervisor Engine V-10GE (2x10GbE or 4xGbE)	December, 2004	\$19,995
WS-C3750G-48PS-S	Cisco Catalyst 3750 48-port 10/100/1000 PoE and 4 SFP ports (SMI)	Today	\$15,495
WS-C3750G-48TS-S	Cisco Catalyst 3750 48-port 10/100/1000 and 4 SFP ports (SMI)	Today	\$13,995
WS-C3750G-24PS-S	Cisco Catalyst 3750 24-port 10/100/1000 PoE and 4 SFP ports(SMI)	Today	\$7,795
WS-C3750G-24TS-S1U	Cisco Catalyst 3750 24-port 10/100/1000 and 4 SFP ports (SMI)	Today	\$6,995
WS-C3560G-48PS-S	Cisco Catalyst 3560 48-port 10/100/1000 PoE and 4 SFP ports (SMI)	Today	\$9,495
WS-C3560G-48TS-S	Cisco Catalyst 3560 48-port 10/100/1000 and 4 SFP ports (SMI)	Today	\$7,995
WS-C3560G-24PS-S	Cisco Catalyst 3560 24-port 10/100/1000 PoE and 4 SFP ports(SMI)	Today	\$5,595
WS-C3560G-24TS-S	Cisco Catalyst 3560 24-port 10/100/1000 and 4 SFP ports (SMI)	Today	\$4,795
CP-7971G-GE	Cisco IP Phone 7971G-GE	Today	\$845
GLC-FE-100FX	100Base-FX SFP optics (for 48 port 100Base-X module)	December, 2004	\$250
GLC-FE-100LX	100BASE-LX SFP optics (for 48 port 100BASE-X module)	December, 2004	\$400
GLC-FE-100BX-U	100BASE-BX10-U SFP optics (for 48 port 100BASE-X module)	December, 2004	\$450

GLC-FE-100BX-D	100BASE-BX10-D SFP optics (for 48 port 100BASE-X module )	December, 2004	\$450
GLC-GE-100FX	100BASE-FX SFP (for Cisco Catalyst 3750, 3560 and 2970)	Today	\$250
	Cisco Network Connectivity Center	Today	Starting at \$19,995

For more information, please visit <http://newsroom.cisco.com>

### About Cisco Systems

Cisco Systems, Inc. (NASDAQ: CSCO) is the worldwide leader in networking for the Internet. News and information are available at <http://www.cisco.com>.

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