CISCO SYSTEMS

Data Sheet

Cisco Unified PhoneProxy 1.0

This data sheet provides an overview of features and ordering information for Cisco® Unified PhoneProxy, a gateway appliance that provides for secure access to Cisco Unified CallManager from remotely deployed Cisco IP phones and Cisco IP Communicator.

The Cisco® Unified Communications family of voice, video, and IP communications products and applications helps enable organizations to communicate more effectively—helping them streamline business processes, reach the right resource the first time, and reduce costs and maximize revenue. The Cisco Unified Communications system is an integral part of a complete, integrated business communications solution for organizations of all sizes that also includes network infrastructure, security, and network management products; wireless connectivity; a lifecycle services approach; and flexible deployment and outsourced management options, end-user and partner financing packages, and third-party communications applications.

PRODUCT OVERVIEW

Cisco Unified PhoneProxy solves critical challenges related to mobility, security, and access management for companies that have adopted the Cisco IP Communications platform.

The need for mobility and the trend toward telecommuting have increased demand for deployment of IP phones to employees' homes and other remote locations. Organizations interested in placing Cisco IP phones in these remote locations have traditionally found it necessary to purchase, configure, deploy, and support a VPN router with the IP phone in each remote location in order to meet security requirements. In some cases this is the best option. In other cases, the cost and complexity of deploying VPN routers to these remote locations can be prohibitive. When VPN routers are not a good option, organizations can use Cisco Unified PhoneProxy to enable secure deployment of Cisco IP phones to these locations without the need for VPN routers.

In addition to securing IP phones deployed to remote locations, Cisco Unified PhoneProxy can also help organizations meet security requirements related to the use of Cisco IP Communicator. When company employees use Cisco IP Communicator from the office, home, or on the road, voice traffic is placed onto the corporate data VLAN and must cross over to the voice VLAN to reach Cisco Unified CallManager, creating a significant security threat because holes must be opened in the firewall between the two VLANs for each computer running Cisco IP Communicator.

Cisco Unified PhoneProxy can be placed in a location of the customer's choice to aggregate voice traffic from all Cisco IP Communicator sessions and send this traffic through to Cisco Unified CallManager, enabling security personnel to open either no holes or just a single hole in the firewall between the data and voice VLANs and monitor and secure this point of entry closely. It also obscures Cisco Unified CallManager information to further protect it from security threats.

KEY FEATURES AND BENEFITS

Application Layer Gateway

Cisco Unified PhoneProxy acts as an application layer gateway, transparently proxying all Skinny Client Control Protocol (SCCP), Real-Time Transport Protocol (RTP), HTTP, and Trivial File Transfer Protocol (TFTP) communications between Cisco IP phones or Cisco IP Communicator and Cisco Unified CallManager, while simultaneously obscuring Cisco Unified CallManager information from these endpoints.

Secure Protocol Support

Cisco Unified PhoneProxy offers full support for secure SCCP and secure RTP to protect conversations from unauthorized interception and eavesdropping. The security features in this appliance do not require the Cisco Unified CallManager cluster to be configured for security.

User Authentication

Cisco Unified PhoneProxy provides a built-in Web application for authentication of users who are activating IP phones for secure use. It also offers a Web Services interface for organizations that prefer to integrate with existing user-authentication services.

IP Phone Activation

Cisco Unified PhoneProxy allows connections to be made to the appliance only by IP phones that have been activated by an authenticated and approved user.

Secure Platform

The Cisco Unified PhoneProxy appliance uses a security-hardened operating system and firewall to further enhance network security.

PRODUCT SPECIFICATIONS

Table 1 gives specifications of Cisco Unified PhoneProxy.

Table 1. Cisco Unified PhoneProxy Specifications

Product compatibility	Works with Cisco Unified CallManager 4.0 and 5.0, Cisco IP phones, and Cisco IP Communicator
Software compatibility	Management console requires Windows 2000 or XP and Java 5
Protocols	SCCP, secure SCCP, RTP, secure RTP, HTTP, HTTPS, Trivial File Transfer Protocol (TFTP), and Secure Shell (SSH) Protocol
Components	Self-contained appliance
Cards, ports, and slots	1 RJ-45 serial management port, 1 USB port, and 4 Gigabit Ethernet ports
Connectivity	Command-line interface (CLI) management through SSH or serial port
Memory	256-MB DDR
Options	Power cord options for various geographies
Reliability and availability	Support for clustering for high availability and n + 1 failover
MIBS	System, Interfaces, UCDavis.memory, and UCDavis.systemStats
Programming interfaces	Web Services interface for integration with user-authentication systems
Physical dimensions (H x W x D)	426 x 365 x 43.5 mm
Power	200W AC power supply with power cord options for North America, Europe, Italy, UK, Switzerland, Australia, Argentina, and Japan

SYSTEM CAPACITY

Each Cisco Unified PhoneProxy appliance supports up to 1000 registered IP phones and 100 concurrent G.711 20-ms calls.

FEATURES

- Application layer gateway
- Secure protocol support
- User authentication
- IP phone activation
- Secure platform
- Built-in reporting
- Archival and custom reporting
- Backup and restore
- Simple deployment and configuration
- Centralized, automated administration

ORDERING INFORMATION

To place an order, visit the Cisco Ordering Home Page and refer to Table 2.

Table 2. Ordering Information

Product Name	Part Number
HW/SW PPA0500, PhoneProxy 1.0, 25 User License	PPA500-K9-PP1.0-25
HW/SW PPA0500, PhoneProxy 1.0, No User License	PPA500-K9-PP1.0
LIC Cisco Unified PhoneProxy 1.0 User License 10-Pack	UPP1.0-USR-10=
LIC Cisco Unified PhoneProxy 1.0 User License 100-Pack	UPP1.0-USR-100=
LIC Cisco Unified PhoneProxy 1.0 User License 500-Pack	UPP1.0-USR-500=
LIC Cisco Unified PhoneProxy 1.0 User License 1000-Pack	UPP1.0-USR-1000=

SERVICE AND SUPPORT

Cisco Unified Communications Services and Support

Using the Cisco Lifecycle Services approach, Cisco Systems® and its partners offer a broad portfolio of end-to-end services to support the Cisco Unified Communications system. These services are based on proven methodologies for deploying, operating, and optimizing IP communications solutions. Initial planning and design services, for example, can help you meet aggressive deployment schedules and minimize network disruption during implementation. Operate services reduce the risk of communications downtime with expert technical support. Optimize services enhance solution performance for operational excellence. Cisco and its partners offer a system-level service and support approach that can help you create and maintain a resilient, converged network that meets your business needs.

FOR MORE INFORMATION

For more information about Cisco Unified PhoneProxy, visit http://www.cisco.com/go/phoneproxy or contact your local Cisco account representative or cuae-sales@cisco.com

CISCO SYSTEMS