Cisco Unified Application Server 2.4

This data sheet provides an overview of features and ordering information for the Cisco® Unified Application Server, an application server for converged voice, video, and data applications.

Cisco Unified Communications is a comprehensive IP communications system of voice, video, data, and mobility products and applications. It enables more effective, more secure, more personal communications that directly affect both sales and profitability. It brings people together by enabling a new way of communicating—where your business moves with you, security is everywhere, and information is always available...whenever and wherever it is needed. Cisco Unified Communications is part of an integrated solution that includes network infrastructure, security, mobility, network management products, lifecycle services, flexible deployment and outsourced management options, end-user and partner financing packages, and third-party communications applications.

Product Overview

Part of the Cisco Unified Application Environment, the Cisco Unified Application Server is an application server for converged voice, video, and data applications. It is the first integrated, end-to-end runtime and development platform for unified communications applications.

The Cisco Unified Application Server abstracts the complexity of telephony protocols, separates application logic from core call routing to protect Cisco Unified Communications Manager (formerly known as Cisco Unified CallManager), and provides a standard way to manage all of an organization's unified communications applications.

As part of the Cisco Unified Application Environment, the Cisco Unified Application Server facilitates rapid development, reliable execution, and automated management of unified communications applications that converge voice and video with enterprise applications and data. Organizations can use these new converged applications to improve communications, transform business processes, and create competitive advantage.

Key Features and Benefits

- Extensible plug-in framework—The Cisco Unified Application Server offers an extensible plug-in framework that shields developers from the complexity of voice technology by abstracting a wide variety of call control and other telephony protocols, as well as popular data protocols and APIs. The plug-in framework reduces developer training and learning time and allows flexibility in protocol choice at deployment. Cisco customers and partners can easily develop plug-ins for any industry-standard or proprietary protocol or API required for application development.
- Virtual machine layer—The Cisco Unified Application Server provides a virtual machine layer that clearly separates application logic from core call routing and manages calls from applications to Cisco Unified Communications Manager. The virtual machine protects Cisco Unified Communications Manager from immature protocol defects and developer threats caused by inexperience or accidents. The virtual machine also protects applications from each other.

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- Standard application container—The Cisco Unified Application Server acts as a single standard application container to provide a common platform that developers and quality assurance and operations staff can use to manage the reliability, scalability, capacity, and performance of all packaged and custom unified communications applications.

Product Specifications

Table 1 lists the specifications of the Cisco Unified Application Server.

Table 1. Product Specifications

Item	Specification
Product compatibility	Compatible with Cisco Unified Communications Manager and Cisco Unified CallManager Versions 3.3, 4.0, 5.0, and 6.0; Cisco Unified Communications Manager Express and Cisco Unified CallManager Express Versions 4.0 and 5.0; Cisco Unified Presence 1.0 and 6.0; Cisco Unified IP Phones; Cisco IP Communicator; Cisco Unified Application Designer 2.4; and Cisco Unified Media Engine 2.4
Protocols	Session Initiation Protocol (SIP), H.323, Skinny Client Control Protocol (SCCP), Java Telephony Application Programming Interface (JTAPI), Cisco IP Phone Services, DeviceListX, AVVID XML Layer Simple Object Access Protocol (AXL-SOAP), Extension Mobility, Cisco CallManager APIs, Web Services, HTTP, Lightweight Directory Access Protocol (LDAP), Structured Query Language (SQL), and Simple Mail Transfer Protocol (SMTP); easily extensible to any standards-based or proprietary protocol or interface
Options	• Premium Edition includes a license for 100 concurrent application instances and allows unlimited additional licensed application instances per server • Enhanced Edition includes a license for 50 concurrent application instances and allows up to 150 licensed application instances per server • Standard Edition includes a license for 25 concurrent application instances and allows up to 50 licensed application instances per server

System Capacity

The capacity of the Cisco Unified Application Server is highly dependent on the nature of the applications deployed to run on it. Organizations can gain increased capacity and high availability by clustering multiple systems running the Cisco Unified Application Server.

Features

Extensible Provider Framework

- Call control
  - SIP
  - H.323
  - SCCP
  - JTAPI First and Third Party
- Cisco IP Communications
  - Cisco IP Phone Services
  - DeviceListX
  - AXL SOAP
  - Extension Mobility
  - Cisco Unified Communications Manager APIs
- Other common technology interfaces
  - Web Services (client)
  - HTTP (client and server)

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- LDAP (client)
- SQL (client)
- SMTP (client)

- Completely extensible
  - Capability for Cisco customers and partners to add support for any standards-based or proprietary protocol or other interface

Virtual Machine Layer

- Protects Cisco Unified Communications Manager from applications
- Protects applications from each other

Standard Application Container

- Provides standardized way to manage all unified communications applications

System Requirements

The Cisco Unified Application Server is certified to run in production environments only on the compatible Cisco hardware systems listed in Table 3 in the Ordering Information section of this document. For development and test uses only, technology developers can install the Cisco Unified Application Server on a Windows PC. Table 2 lists system requirements for the Cisco Unified Application Server in this development environment configuration.

Table 2. System Requirements—Development Environment

Item	Requirement
Disk space	128 MB (together with Cisco Unified Media Engine)
Hardware	Pentium 4 or faster processor
Memory	512 MB (together with Cisco Unified Media Engine)
Software	• Windows XP • .NET Framework Version 3.0 • Microsoft Web Services Extensions

Ordering Information

Developers who want to use the Cisco Unified Application Server together with the Cisco Unified Application Designer and Cisco Unified Media Engine to create new applications for the Cisco Unified Communications system of voice, video, and IP communications products, can download the Cisco Unified Application Server free for development and test use. To download this software, go to the Download Page of the Cisco Unified Application Environment developer website.

Customers who want to deploy the Cisco Unified Application Server into production environments must purchase software licenses. To place an order, visit the Cisco Ordering Home Page and refer to Table 3. For more detailed ordering information and instructions, see the Ordering Guide for the Cisco Unified Application Environment, or send an email to cuae-sales@cisco.com.

Table 3. Ordering Information

Product Name	Part Number
Software License Descriptions	
SW/LIC/KEY Cisco Unified Application Server 2.4 – Premium Edition, 100 Instances, Unlimited	UAS2.4-K9-PREM=
SW/LIC/KEY Cisco Unified Application Server 2.4 – Enhanced Edition, 50 Instances, 150 Limit	UAS2.4-K9-ENH=

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SW/LIC/KEY Cisco Unified Application Server 2.4 – Standard Edition, 25 Instances, 50 Limit	UAS2.4-K9-STD=
SW/LIC/KEY Cisco Unified Application Server 2.4 – Small Environment 2, 16 Instances, 16 Limit	UAS2.4-K9-SE16=
SW/LIC/KEY Cisco Unified Application Server 2.4 – Small Environment 1, 8 Instances, 16 Limit	UAS2.4-K9-SE8=
LIC/KEY Cisco Unified Application Server 2.4 Enhanced to Premium Edition Upgrade	UAS2.4-E-P-UPG=
LIC/KEY Cisco Unified Application Server 2.4 Standard to Premium Edition Upgrade	UAS2.4-S-P-UPG=
LIC/KEY Cisco Unified Application Server 2.4 Standard to Enhanced Edition Upgrade	UAS2.4-S-E-UPG=
LIC/KEY Cisco Unified Application Server 2.4 Instance 10-Pack	UAS2.4-INST-10=
LIC/KEY Cisco Unified Application Server 2.4 Instance 50-Pack	UAS2.4-INST-50=
LIC/KEY Cisco Unified Application Server 2.4 Instance 100-Pack	UAS2.4-INST-100=
LIC/KEY Cisco Unified Application Server 2.4 Instance 500-Pack	UAS2.4-INST-500=
LIC/KEY Cisco Unified Application Server 2.4 Instance 1000-Pack	UAS2.4-INST-1000=
Hardware System Descriptions	
HW 7845-H2 Server, Dual Core Xeon 5140 2.33GHz, 4 GB Memory, 4x72GB HD	MCS-7845-H2-IPC1
HW 7845-I2 Server, Dual Core Xeon 5140 2.33GHz, 4 GB Memory, 4x72GB HD	MCS-7845-I2-IPC1
HW 7835-H2 Server, Dual Core Xeon 5140 2.33GHz, 2 GB Memory, 2x72GB HD	MCS-7835-H2-IPC1
HW 7835-I2 Server, Dual Core Xeon 5140 2.33GHz, 2 GB Memory, 2x72GB HD	MCS-7835-I2-IPC1
HW 7825-H3 Server, Dual Core Xeon 3050 2.13GHz, 2 GB Memory, 2x160GB HD	MCS-7825-H3-IPC1
HW 7825-I3 Server, Dual Core Xeon 3050 2.13GHz, 2 GB Memory, 2x160GB HD	MCS-7825-I3-IPC1
HW 7816-H3 Server, Celeron D 352 3.2GHz, 2 GB Memory, 1x160GB HD	MCS-7816-H3-IPC1
HW 7816-I3 Server, Celeron D 352 3.2GHz, 2 GB Memory, 1x160GB HD	MCS-7816-I3-IPC1

For More Information

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

Cisco Unified Communications Services and Support

Using the Cisco Lifecycle Services approach, Cisco 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, and 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.

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