

Cisco ACNS Content Engines

Cisco 500 Series Content Engine



Cisco 7300 Series Content Engine



Cisco Content Engine Network Module for 2600, 3600, 3700 Series Routers



Cisco Application and Content Networking System—ACNS

The Cisco Application and Content Networking System (ACNS) solution enables organizations of all sizes to reduce costs, drive productivity and increase revenues by extending strategic applications from the data center to the branch including:

- Web application acceleration including software distribution
- Secure Web Content Access management
- Business Video
- Point-of-sale video and web kiosks

Cisco enables customers to deploy strategic application and content networking services on a range of content engine hardware platforms—including the industry's first router-integrated caching and content delivery network module for Cisco 2600, 3600 and 3700 Series Routers. Cisco content engines leverage the intelligent content edge delivery, management and routing capabilities of ACNS software to accelerate Web applications, objects, files, and streaming media; improve network and end-user performance, and add access security.



In the data center, content engines operate with Cisco 11500 Series Content Services Switches (CSS), the Catalyst® 6500 Series Content Switch Module (CSM) and Secure Socket Layer (SSL) Switching Modules for reverse proxy caching to offload expensive, backend web servers.

For standards-based, turnkey “live” and on-demand streaming, Cisco content engines can be used with Cisco’s IP/TV® 3400 Series Broadcast Servers, which capture and deliver MPEG video with synchronized presentations, program creation, scheduling, and interactive Question Manager features.

The Cisco ACNS solution is a key component of the Cisco Full Services suite of intelligent application-enabling network services and adaptable “how-to” blueprints, addressing voice and video, security, web application acceleration, Internet mobility and connectivity services. These network-integrated, intelligent services allow organizations to boost productivity and customer satisfaction while lowering operational and capital expenses.

Key benefits of the combined Cisco ACNS hardware and software solution include:

- Intelligent content services at the edge of the network
 - Web Application Acceleration with Advanced Web Content Serving
 - Software and File Distribution with Optimized Content Distribution
 - Proxy Caching with Secure Web Content Access Management
 - Business Video and Retail Kiosks with Comprehensive Streaming Media Support
- Scalable Content Acquisition and Distribution
- Superior Content and Network Management and Rich Application Programming Interfaces (APIs)
- Flexible network deployments with multiple Client Request Redirection Choices and multiple platform options

Cisco ACNS Product Portfolio

Cisco CE-510A Content Engine

The Cisco 510A Content Engine requires a single IDE hard disk. Customers can optionally purchase a second IDE hard disk; however, there is no external storage expandability beyond two internal disk drives. Optionally, the Cisco Content Engine 510A can be configured with either a Fiber Channel Host Bus Adapter (HBA) for interfacing with Storage Area Network (SANs) or an MPEG video decoder for baseband video capability. Either the Fiber Channel Host Bus Adapter (HBA) or MPEG decoder can be installed in the Cisco 510A Content Engine, but not both. (Part numbers CE-510A-80GB-K9 and CE-510A-160GB-K9.)

Cisco CE-565A Content Engine

The Cisco 565A Content Engine requires two internal SCSI hard disks. No additional internal hard disks can be added to the product. For storage expandability and higher caching performance, a Cisco Storage Array 7 can be connected to the Cisco 565A Content Engine SCSI connector. Optionally the Cisco 565A Content Engine can be configured with either a Fiber Channel Host Bus Adapter (HBA) for interfacing with Storage Area Network (SANs) or an MPEG video decoder for baseband video capability. Either the Fiber Channel Host Bus Adapter (HBA) or MPEG decoder can be installed in the Cisco 565A Content Engine, but not both. (Part numbers CE-565A-72GB-K9 and CE-565A-144GB-K9.)

Through a CLI configuration the Cisco 565A Content Engine can also be a CDM or a Content Router in an ACNS deployment. There is no additional licensing or customer cost to make this change. (See Table 1.)



Cisco CE-7305A Content Engine

The Cisco 7305A Content Engine requires two internal SCSI hard disks. In addition, up to four hard disks can be added to the product for a total of six internal disks. For storage expandability and higher caching performance, a Cisco Storage Array 14 can be connected to the Cisco 7305A Content Engine SCSI connector. Optionally the Cisco 7305A Content Engine can be configured with a Fiber Channel Host Bus Adapter (HBA) for interfacing with SANs. (Part number CE-7305A-K9.)

Through a CLI configuration the Cisco 7305A Content Engine can also be a CDM or a Content Router in an ACNS deployment. There is no additional licensing or customer cost to make this change. (See Table 1.)

Cisco CE-7325A Content Engine

The Cisco 7325A Content Engine requires six internal SCSI hard disks. No additional internal hard disks can be added to the product. For storage expandability and higher caching performance, an SA-14 storage array can be connected to the Cisco 7325A Content Engine SCSI connector. Optionally the Cisco 7325A Content Engine can be configured with a Fiber Channel Host Bus Adapter (HBA) for interfacing with SANs. (Part number CE-7325A-K9.)

Cisco Content Engine Network Modules for 2600, 3600, 3700 Series Routers

Cisco's Content Engine Network Modules for the 2600, 3600, and 3700 Series Routers offer the industry's only router-integrated application and content networking system. Content Engine Network Modules fit into a single network module slot on the Cisco 2600, 3600, and 3700 Series. Available configurations are a 40-gigabyte hard disk, 80-gigabyte hard disk, or SCSI controller. The network module with SCSI controller has no disk drive on-board and requires an external disk array. (Part numbers NM-CE-BP-40G-K9, NM-CE-BP-80G-K9 and NM-CE-BP-SCSI.) For more details, see the Cisco Content Engine Network Modules For 2600/3600/3700 Series Routers data sheet.

Cisco Content Engine Product Function Matrix

A new feature of Cisco ACNS Software starting with version 5.0 is the capability of configuring certain hardware as a content engine, content router, or CDM. All products are ordered and will ship directly from the factory as a content engine. On supported models, the content engine can be changed into a content router or CDM with a command-line interface (CLI) command (Table 1).

Note: The product can only have a single function (content engine, content router, or CDM) and cannot be configured to perform all functions simultaneously. Legacy hardware (Cisco Content Distribution Manager models 4650 and 4630, Content Engine models 507, 560, 590, and 7320, and Content Router-4430) will operate with Cisco ACNS Software Version 5.0+ but cannot be reconfigured, as described in Table 1.

Table 2 lists the hardware platforms supported by Cisco ACNS Software Version 5.0 and higher.



Table 1 Cisco Content Engine Product Function Matrix

	Cisco NM-CE-BP-X	Cisco CE-510A-K9	Cisco CE-565A-K9	Cisco CE-7305A-K9	Cisco CE-7325A-K9
CDM			X	X	
Content Router			X	X	
Content Engine	X	X	X	X	X

Table 2 Appliance Hardware Platforms Supported by Cisco ACNS Software Version 5.0 and higher

Supported Hardware Platforms	Descriptions
CE-510A-80GB-K9 CE-510A-160GB-K9	Entry-level edge delivery platform for small branch offices. Configurable only to be a content engine.
CE-565A-72GB-K9 CE-565A-144GB-K9	Mid-range edge delivery platform for regional offices or larger branch offices. Configurable to be a CDM, content router, or content engine.
CE-7305A-K9	High-end data-center delivery platform. Configurable to be a CDM, content router, or content engine.
CE-7325A-K9	Ultra high-end large data-center delivery platform. Configurable only to be a content engine.
SA-7	7-slot Cisco storage array, 7 SCSI-LVD disks, single AC power for Cisco 560, 590, and 7320 content engines; Cisco 4630 and 4650 Content Distribution Managers; Cisco Content Engine Models 565, 7305 and 7325.
SA-14	14-slot Cisco storage array, 14 SCSI-LVD disks, single AC power for Cisco Content Engine models 7305, 7325, 7320, and Cisco Content Distribution Manager 4650.
Hardware Options and Spares	
FIBER-CHNL-1PORT (=)	Fiber Channel host bus adapter card for use with Cisco Content Engine models 510, 565, 7305, and 7325.
CE-VIDEO-1P (=)	MPEG video decoder card for use with Cisco Content Engine 510 and Cisco Content Engine 565 to allow for AV output.
CE-510A-DISK-80GB (=)	80-GB IDE disk for Cisco Content Engine 510A.
CE-565A-DISK-36GB (=)	36-GB U160 SCSI disk for Cisco Content Engine 565A.
CE-565A-DISK-72GB (=)	72-GB U160 SCSI disk for Cisco Content Engine 565A.
CE-7305A-2HDU3HD	Upgrade option from 2 (default) to 3 x 72-GB U320 SCSI disk for Cisco Content Engine models 7305A.
CE-7305A-2HDU4HD	Upgrade option from 2 (default) to 4 x 72-GB U320 SCSI disk for Cisco Content Engine models 7305A.
CE-7305A-2HDU5HD	Upgrade option from 2 (default) to 5 x 72-GB U320 SCSI disk for Cisco Content Engine models 7305A.



Table 2 Appliance Hardware Platforms Supported by Cisco ACNS Software Version 5.0 and higher

Supported Hardware Platforms	Descriptions
CE-7305A-2HDU6HD	Upgrade option from 2 (default) to 6 x 72-GB U320 SCSI disk for Cisco Content Engine models 7305A.
CE73XXA-DISK-72G=	72-GB U320 SCSI disk for Cisco Content Engine models 7305A and 7325A, spare.
Older Hardware Platforms Part Numbers	
CE-510-K9	Entry-level edge delivery platform for small branch offices. Configurable only to be a content engine.
CE-565-K9	Mid-range edge delivery platform for regional offices or larger branch offices. Configurable to be a CDM, content router, or content engine.
CE-7305-K9	High-end data-center delivery platform. Configurable to be a CDM, content router, or content engine.
CE-7325-K9	Ultra high-end large data-center delivery platform. Configurable only to be a content engine.
CE-510-DISK-40GB (=)	40-GB IDE disk for Cisco Content Engine 510.
CE-565-DISK-36GB (=)	36-GB Ultra2 SCSI disk for Cisco Content Engine 565.
CE73XX-DISK-72GB (=)	72-GB Ultra2 SCSI disk for Cisco Content Engine models 7305 and 7325.
CE-507-K9	Entry-level edge delivery platform for small branch offices.
CE-507AV-CDN-K9	Cisco 507 AV Content Engine plus composite baseband video and audio decoder (NTSC and Phase Altering Line [PAL]).
CE-560-K9	Mid-range edge delivery platform for regional offices or larger branch offices.
CE-560AV-CDN-K9	Cisco 560 Content Engine plus composite baseband video and audio decoder (NTSC and PAL).
CE-590-K9	High-end data-center delivery platform.
CE-590-DC-K9	High-end data-center delivery platform, DC power.
CE-7320-K9	Ultra high-end large data-center or service-provider delivery platform.
CE-7320-DC-K9	Ultra high-end large data-center or service-provider delivery platform, DC power.
CR-4430-K9	Cisco content router for added redundancy to Cisco CDM.
CDM-4630-K9	Entry-level Cisco CDM for small enterprise deployments and departmental pilots.
CDM-4650-K9	High-end Cisco CDM for medium and large enterprise deployments.
SA6-SHF-6DISK-AC	6-slot Cisco storage array, 6 SCSI-LVD disks, single AC power for Cisco 560 and 590 content engines and Cisco 4630 and 4650 content distribution managers.
CE-DISK-18GB-507-X	Extra 18-GB Ultra2 SCSI disk drive for Cisco 507 Content Engine (configurable option).
CDN1-DISK-18GB=	Spare 18-GB Ultra2 SCSI disk drive for Cisco 507 Content Engine.



Table 3 lists the Cisco Content Engine hardware platforms and network modules supported by Cisco ACNS Software Version 5.0 and higher.

Table 3 Network Modules Supported by Cisco ACNS Software Version 5.0 and higher

Supported Hardware Platforms	Descriptions
NM-CE-BP-20G-K9(=)	Content Engine Network Module, basic performance, 20-GB IDE hard disk
NM-CE-BP-40G-K9(=)	Content Engine Network Module, basic performance, 40-GB IDE hard disk
NM-CE-BP-80GB-K9(=)	Content Engine Network Module, basic performance, 80-GB IDE hard disk.
NM-CE-BP-SCSI-K9(=)	Content Engine Network Module, basic performance, SCSI controller (requires external SCSI disk array such as the HP DS1200)
EM-CE-20G=	Expansion module, 20-GB IDE, field upgrade
EM-CE-40G=	Expansion module, 40-GB IDE, field upgrade
EM-CE-80GB=	Expansion module, 80-GB IDE, field upgrade
EM-CE-SCSI=	Expansion module, SCSI controller, field upgrade
MEM-CE-256U512D	512 MB dynamic RAM (DRAM) factory upgrade for NM-CE-BP
MEM-CE-256D=	256 MB DRAM field upgrade
MEM-256CF-4.2-K9=	256 MB Compact Flash memory, Cisco ACNS Software Release 4.2 recovery image
MEM-256CF-5.0-K9=	256 MB Compact Flash with ACNS 5.0 recovery image, 3DES

Hardware Specifications

Table 4 lists the hardware platform specifications for Cisco content engines and storage arrays.

Table 4 Hardware Platform Specifications for Cisco Content Engines and Storage Arrays

	Cisco CE-510A	Cisco CE-565A	Cisco CE-7305A	Cisco CE-7325A	Cisco SA-7 and Cisco SA-14
CPU	• One 2.4 GHz Celeron Northwood processor with 128 KB Layer 2 cache	• One 2.4 GHz Celeron Northwood processor with 128 KB Layer 2 cache	• One 2.8 GHz Intel Pentium 4 XeonPrestonia processor with 512 KB Layer 2 cache	• Two 2.8 GHz Intel Pentium 4 XeonPrestonia processors with 512 KB Layer 2 cache	-
System Bus	• 400 MHz	• 400 MHz	• 533 MHz	• 533 MHz	-
Synchronous DRAM (SDRAM)	• 512 MB	• 1 GB	• 2 GB	• 4 GB	-
Maximum System Storage (with Storage Array if Applicable)	• 160 GB • IDE	• 396 GB • U320/160 SCSI	• 936 GB • U320/160 SCSI	• 936 GB • U320/160 SCSI	• 252 or 504GB • U160 SCSI



Table 4 Hardware Platform Specifications for Cisco Content Engines and Storage Arrays (Continued)

	Cisco CE-510A	Cisco CE-565A	Cisco CE-7305A	Cisco CE-7325A	Cisco SA-7 and Cisco SA-14
Baseline Internal Storage	<ul style="list-style-type: none"> • 80 GB • IDE 	<ul style="list-style-type: none"> • 72 GB • U160 SCSI 	<ul style="list-style-type: none"> • 144 GB • U320 SCSI 	<ul style="list-style-type: none"> • 432 GB • U320 SCSI 	<ul style="list-style-type: none"> • 252 or 504GB • U160 SCSI
Maximum Internal Storage	<ul style="list-style-type: none"> • 160 GB • IDE 	<ul style="list-style-type: none"> • 144 GB • U160 SCSI 	<ul style="list-style-type: none"> • 432 GB • U320 SCSI 	<ul style="list-style-type: none"> • 432 GB • U320 SCSI 	<ul style="list-style-type: none"> • 252 or 504GB • U160 SCSI
External Storage Array Support	<ul style="list-style-type: none"> • No 	<ul style="list-style-type: none"> • Yes 	<ul style="list-style-type: none"> • Yes 	<ul style="list-style-type: none"> • Yes 	<ul style="list-style-type: none"> -
Network Interfaces	<ul style="list-style-type: none"> • Two 10/100/1000BASE-T 	<ul style="list-style-type: none"> • Two 10/100/1000BASE-T 	<ul style="list-style-type: none"> • Two 10/100/1000BASE-T 	<ul style="list-style-type: none"> • Two 10/100/1000BASE-T 	<ul style="list-style-type: none"> -
Flash Memory	<ul style="list-style-type: none"> • 128MB 	<ul style="list-style-type: none"> • 128MB 	<ul style="list-style-type: none"> • 128MB 	<ul style="list-style-type: none"> • 128MB 	<ul style="list-style-type: none"> -
MPEG Decoder (Option)	<ul style="list-style-type: none"> • Yes • MPEG-1, 2 • DB-15 audio connector • BNC composite video output • 7-pin DIN S-video output 	<ul style="list-style-type: none"> • Yes • MPEG-1, 2 • DB-15 audio connector • BNC composite video output • 7-pin DIN S-video output 	<ul style="list-style-type: none"> • No 	<ul style="list-style-type: none"> • No 	<ul style="list-style-type: none"> -
Fiber Channel Adapter (Optional)	<ul style="list-style-type: none"> • Bus type: fiber-optic media (short-wave 50 micron) • Bus transfer rate: 200 Mbps maximum at half duplex and 400 Mbps at full duplex 	<ul style="list-style-type: none"> • Bus type: fiber-optic media (short-wave 50 micron) • Bus transfer rate: 200 Mbps maximum at half duplex and 400 Mbps at full duplex 	<ul style="list-style-type: none"> • Bus type: fiber-optic media (short-wave 50 micron) • Bus transfer rate: 200 Mbps maximum at half duplex and 400 Mbps at full duplex 	<ul style="list-style-type: none"> • Bus type: fiber-optic media (short-wave 50 micron) • Bus transfer rate: 200 Mbps maximum at half duplex and 400 Mbps at full duplex 	<ul style="list-style-type: none"> -
Power	<ul style="list-style-type: none"> • 200W AC 	<ul style="list-style-type: none"> • 200W AC 	<ul style="list-style-type: none"> • 2 x 350W Hot-swappable redundant AC 	<ul style="list-style-type: none"> • 2 x 350W Hot-swappable redundant AC 	<ul style="list-style-type: none"> • AC
Rack Units	<ul style="list-style-type: none"> • 1RU 	<ul style="list-style-type: none"> • 1RU 	<ul style="list-style-type: none"> • 2 RU 	<ul style="list-style-type: none"> • 2 RU 	<ul style="list-style-type: none"> • 3 RU
External Connectors	<ul style="list-style-type: none"> • One serial port 	<ul style="list-style-type: none"> • One serial port • One Ultra160 SCSI port (dual-channel integrated controller) 	<ul style="list-style-type: none"> • One serial port • One Ultra320 SCSI port (dual-channel integrated controller) 	<ul style="list-style-type: none"> • One serial port • One Ultra320 SCSI port (dual-channel integrated controller) 	<ul style="list-style-type: none"> • One Ultra160 SCSI port (dual-channel integrated controller)



Table 4 Hardware Platform Specifications for Cisco Content Engines and Storage Arrays (Continued)

	Cisco CE-510A	Cisco CE-565A	Cisco CE-7305A	Cisco CE-7325A	Cisco SA-7 and Cisco SA-14
Available PCI Expansion Slots	<ul style="list-style-type: none"> One 66/100/133-MHz 64-bit PCI-X slot on the system board 	<ul style="list-style-type: none"> One 66/100/133-MHz 64-bit PCI-X slot on the system board 	<ul style="list-style-type: none"> Two 133-MHz 64-bit PCI-X not hot-pluggable and Two 100-MHz 64-bit PCI-X not hot-pluggable (low profile) and One 33-MHz 32-bit PCI not hot-pluggable 	<ul style="list-style-type: none"> Two 133-MHz 64-bit PCI-X not hot-pluggable and Two 100-MHz 64-bit PCI-X not hot-pluggable (low profile) and One 33-MHz 32-bit PCI not hot-pluggable 	-
Height	<ul style="list-style-type: none"> 1.72 in. (43.7 mm) 	<ul style="list-style-type: none"> 1.72 in. (43.7 mm) 	<ul style="list-style-type: none"> 3.36 in. (85.4 mm) 	<ul style="list-style-type: none"> 3.36 in. (85.4 mm) 	<ul style="list-style-type: none"> 5.0 in. (127.5 mm)
Width	<ul style="list-style-type: none"> 17.3 in. (440 mm) 	<ul style="list-style-type: none"> 17.3 in. (440 mm) 	<ul style="list-style-type: none"> 17.46 in. (443.5 mm) 	<ul style="list-style-type: none"> 17.46 in. (443.5 mm) 	<ul style="list-style-type: none"> 17.5 in. (444 mm)
Depth	<ul style="list-style-type: none"> 16.75 in. (425.5 mm) 	<ul style="list-style-type: none"> 16.75 in. (425.5 mm) 	<ul style="list-style-type: none"> 27.48 in. (698.0 mm) 	<ul style="list-style-type: none"> 27.48 in. (698.0 mm) 	<ul style="list-style-type: none"> 20.4 in. (519 mm)
Weight	<ul style="list-style-type: none"> Maximum weight: 28 lb (12.7 kg) 	<ul style="list-style-type: none"> Maximum weight: 28 lb (12.7 kg) 	<ul style="list-style-type: none"> Maximum weight: 62 lb (28.1 kg) 	<ul style="list-style-type: none"> Maximum weight: 62 lb (28.1 kg) 	<ul style="list-style-type: none"> 76 lb (34.5 kg)
Universal Input	<ul style="list-style-type: none"> Input voltage low range 100–127 VAC Input voltage high range 200–240 VAC 	<ul style="list-style-type: none"> Input voltage low range 100–127 VAC Input voltage high range 200–240 VAC 	<ul style="list-style-type: none"> Input voltage low range 100–127 VAC Input voltage high range 180–265 VAC 	<ul style="list-style-type: none"> Input voltage low range 100–127 VAC Input voltage high range 180–265 VAC 	<ul style="list-style-type: none"> Input voltage low range 90–136 VAC Input voltage high range 198–257 VAC
Maximum Power	<ul style="list-style-type: none"> 200W (115 to 230 VAC) 	<ul style="list-style-type: none"> 200W (115 to 230 VAC) 	<ul style="list-style-type: none"> 200W (115 to 230 VAC) 	<ul style="list-style-type: none"> 200W (115 to 230 VAC) 	-
Operating Environment					
Operational Temperature	<ul style="list-style-type: none"> 50 to 95 F (10 to 35 C) 	<ul style="list-style-type: none"> 50 to 95 F (10 to 35 C) 	<ul style="list-style-type: none"> 50 to 95 F (10 to 35 C) 	<ul style="list-style-type: none"> 50 to 95 F (10 to 35 C) 	<ul style="list-style-type: none"> 50 to 95 F (10 to 35 C)
Nonoperational Temperature	<ul style="list-style-type: none"> -40 to 140°F (-40 to 60°C) 	<ul style="list-style-type: none"> -40 to 140°F (-40 to 60°C) 	<ul style="list-style-type: none"> -40 to 140°F (-40 to 60°C) 	<ul style="list-style-type: none"> -40 to 140°F (-40 to 60°C) 	<ul style="list-style-type: none"> -40 to 140°F (-40 to 60°C)
Humidity	<ul style="list-style-type: none"> Nonoperating: 8–80% 	<ul style="list-style-type: none"> Nonoperating: 8–80% 	<ul style="list-style-type: none"> Nonoperating: 8–80% 	<ul style="list-style-type: none"> Nonoperating: 8–80% 	<ul style="list-style-type: none"> Nonoperating: 8–80%
Altitude	<ul style="list-style-type: none"> Maximum altitude: 2133 m (7000 ft) 	<ul style="list-style-type: none"> Maximum altitude: 2133 m (7000 ft) 	<ul style="list-style-type: none"> Maximum altitude: 2133 m (7000 ft) 	<ul style="list-style-type: none"> Maximum altitude: 2133 m (7000 ft) 	<ul style="list-style-type: none"> Maximum altitude: 2133 m (7000 ft)



Table 4 Hardware Platform Specifications for Cisco Content Engines and Storage Arrays (Continued)

	Cisco CE-510A	Cisco CE-565A	Cisco CE-7305A	Cisco CE-7325A	Cisco SA-7 and Cisco SA-14
Compliance	• CE marking	• CE marking	• CE marking	• CE marking	• CE marking
Safety	<ul style="list-style-type: none"> • UL 1950 • CSA-C22.2 No. 950 • EN 60950 • IEC 60950 	<ul style="list-style-type: none"> • UL 1950 • CSA-C22.2 No. 950 • EN 60950 • IEC 60950 	<ul style="list-style-type: none"> • UL 1950 • CSA-C22.2 No. 950 • EN 60950 • IEC 60950 	<ul style="list-style-type: none"> • UL 1950 • CSA-C22.2 No. 950 • EN 60950 • IEC 60950 	<ul style="list-style-type: none"> • UL 1950 • CSA-C22.2 No. 950 • EN 60950 • IEC 60950
EMC	<ul style="list-style-type: none"> • FCC Part 15 (CFR 47) Class A • ICES-003 Class A • EN 55022 Class A with UTP cables • CISPR22 Class A with UTP cables • ASNZ 3548 Class A with UTP cables • VCCI Class A with UTP cables • EN 55024 • EN 50082-1 	<ul style="list-style-type: none"> • FCC Part 15 (CFR 47) Class A • ICES-003 Class A • EN 55022 Class A with UTP cables • CISPR22 Class A with UTP cables • ASNZ 3548 Class A with UTP cables • VCCI Class A with UTP cables • EN 55024 • EN 50082-1 	<ul style="list-style-type: none"> • FCC Part 15 (CFR 47) Class A • ICES-003 Class A • EN 55022 Class A with UTP cables • CISPR22 Class A with UTP cables • ASNZ 3548 Class A with UTP cables • VCCI Class A with UTP cables • EN 55024 • EN 50082-1 	<ul style="list-style-type: none"> • FCC Part 15 (CFR 47) Class A • ICES-003 Class A • EN 55022 Class A with UTP cables • CISPR22 Class A with UTP cables • ASNZ 3548 Class A with UTP cables • VCCI Class A with UTP cables • EN 55024 • EN 50082-1 	<ul style="list-style-type: none"> • FCC Part 15 (CFR 47) Class A • ICES-003 Class A • EN 55022 Class A with UTP cables • CISPR22 Class A with UTP cables • ASNZ 3548 Class A with UTP cables • VCCI Class A with UTP cables • EN 55024 • EN 50082-1

Cisco Web Cache Control Protocol Support

The Cisco Web Cache Control Protocol (WCCP) is a free feature in Cisco IOS Software that runs on the following Cisco platforms: Cisco 7x00 Series Router; Cisco uBR72xx Universal Broadband Router; Cisco 6400 Series Node Route Processor; Cisco Catalyst 6x00 Multilayer Switch Feature Card; Cisco Catalyst 5x00 Route Switch Module; Cisco AS5800 Access Server; Cisco AS5300 Universal Gateway; Cisco 4x00/M; Cisco MC3810 Multipoint Controller; and Cisco 3600, 2600, 2500, 1700, and 1600 series routers.

WCCP v2 is available in the following and later Cisco IOS Software releases: 12.2, 12.2(x)T, 12.1, 12.0(3+)T, 12.0(11+)S, and 12.1(13)E.

WCCP v1 is available in the following Cisco IOS Software releases: 12.2, 12.2(x)T, 12.1, 12.0, 12.0T, 12.0S, 11.1(18+)CC/CA, and 11.2(13+)P.

Cisco Service and Support Solutions

Cisco support solutions are designed to ensure customer success through the delivery of a suite of proactive solutions. Cisco service and support solutions include planning, design, implementation, operational, and optimization solutions. By including services and support with Cisco equipment purchases, customers instantly gain access to a

wealth of resources. Cisco service and support solutions enhance the customer's network investment and reduce the cost of business operations.

Additional Resources

For more information about ordering, visit:

http://www.cisco.com/public/ordering_info.shtml

For more information about the Cisco 2600/3600/3700 Content Engine Network Module, visit:

http://www.cisco.com/en/US/products/hw/routers/ps282/products_data_sheet09186a008010fb9f.html

For more information about Cisco ACNS Software, visit:

<http://www.cisco.com/en/US/products/sw/comntsw/ps491/index.html>



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