

Cisco Model DPC2425 DOCSIS 2.0 Wireless Residential Gateway with Embedded Digital Voice Adapter

The Cisco® Model DPC2425 DOCSIS 2.0 Wireless Residential Gateway with Embedded Digital Voice Adapter (DPC2425) is a high-performance home gateway that combines a cable modem, two-line digital voice adapter, router and wireless access point in a single device providing a cost-effective voice and networking solution for both the home and small office.

The DPC2425 has been designed to meet PacketCable™ 1.5 and DOCSIS® 2.0 specifications. In addition, the DPC2425 is fully backward compatible for use on both DOCSIS 1.1 and DOCSIS 1.0 networks.

Figure 1. Model DPC2425 DOCSIS 2.0 Wireless Residential Gateway with Embedded Digital Voice Adapter (image may vary from actual product and specification)



Designed for the active digital home or office, the DPC2425 integrated router features a Dynamic Host Configuration Protocol (DHCP) server, Network Address and Port Translation (NAT/NAPT) and a Stateful Packet Inspection (SPI) firewall. These features allow the user to share a single high-speed public Internet connection as well as share files and folders between devices within the home network by attaching multiple wired and wireless devices in the user's home or office to the wireless residential gateway.

Consumer-friendly features like Wi-Fi Protected Setup (WPS) and user-configured Parental Control can protect the home network from unwelcome intruders and family members from access to undesirable websites.

Features

- High-performance broadband Internet connectivity to energize your online experience
- Compliant with DOCSIS 2.0, 1.1, and 1.0 standards along with PacketCable specifications to deliver high-end performance and reliability
- Plug-and-Play operation for easy setup and installation, including color-coded data ports and data cables compliant with the TR-068 specifications
- 802.11g Wireless Access Point with 4 service set identifiers (SSIDs)
- Wireless MultiMedia (WMM) features including Wi-Fi Protected Setup (WPS), including a push button switch to activate WPS for simplified and secure wireless setup
- Allows the user to attach multiple devices to the wireless home gateway for high-speed wired and wireless networking and sharing of files
- Four 10/100BASE-T auto-sensing with auto-MDIX Ethernet ports to provide connectivity for high-speed data services or to other Internet devices
- Two-line embedded digital voice adapter for wired telephony service
- Two RJ-11 telephony ports for connecting to in-home wiring or directly to conventional telephones or fax machines
- Advanced firewall technology deters hackers and protects the home network from unauthorized access
- User-configurable Parental Control blocks access to undesirable Internet sites
- A detachable wireless antenna
- Attractive, compact design that allows for vertical, horizontal, or wall-mounted placement
- DOCSIS-5 compliant LED labeling and behavior provides a user- and technician-friendly method to check operational status and act as a troubleshooting tool
- Simple setup with WebWizard graphical user interface
- Allows automatic software upgrades by the user's service provider

Figure 2. Model DPC2425 Front Panel (image may vary from actual product and specification)



Table 1. Front Panel Features

Feature	Description
Indicators	Power, DS, US, Online, Ethernet, Wireless Link, Wireless Setup, TEL1, TEL2
Color	Black housing, black lens, silver text
Branding	Cisco logo and model number

Figure 3. Model DPC2425 Back Panel (image may vary from actual product and specification)



Table 2. Back Panel Features

Feature	Description
POWER Connector Color: Black	Connects the wireless home gateway to the DC output of the AC power adapter
TELEPHONE 1 and 2 Color: Gray	RJ-11 telephone ports connect to home telephone wiring and to conventional telephones or fax machines
ETHERNET (1 – 4) Connector Color: Yellow	Four RJ-45 Ethernet ports connect to the Ethernet ports on the user's PC or home network
REBOOT EMTA	Power cycles the DPC2425
WIRELESS SETUP	Activates WPS to connect wireless devices to the home network
CABLE Connector Color: White	F-connector connects to an active cable signal from the service provider
ANTENNA (not shown)	Provides a communication connection for the built-in WAP

Ordering Information

Table 3. Ordering Information

Model	Description	Part Number
2 Voice Ports, North American Tuning Plan – NTSC		
Model DPC2425	DPC2425 DOCSIS 2.0 Wireless Residential Gateway with Embedded Digital Voice Adapter. Includes: <ul style="list-style-type: none"> • 100-120 VAC/60 Hz, 15 VDC/1 A desktop linear switching power supply • Ethernet cable • CD-ROM containing user guide 	4028654
Model DPC2425	DPC2425 DOCSIS 2.0 Wireless Residential Gateway with Embedded Digital Voice Adapter. Includes: <ul style="list-style-type: none"> • 240 VAC/50-60 Hz, 15 VDC/1 A wall-mount switching regulated power supply • Ethernet cable • CD-ROM containing user guide and USB driver <i>Australia</i> <i>Customer Specific Configuration</i>	4028868
Model DPC2425	DPC2425 DOCSIS 2.0 Wireless Residential Gateway with Embedded Digital Voice Adapter. Includes: <ul style="list-style-type: none"> • NTSC North American tuning plan • 220 VAC/50-60 Hz, 15VDC/1 A desktop linear switching power supply • Ethernet cable • CD-ROM containing user guide and USB driver <i>Argentina</i>	4028655
Model DPC2425	DPC2425 DOCSIS 2.0 Wireless Residential Gateway with Embedded Digital Voice Adapter. Includes: <ul style="list-style-type: none"> • 120 VAC/50-60 Hz, 15VDC/1 A wall-mount linear switching power supply • Ethernet cable • CD-ROM containing user guide and USB driver <i>Brazil</i> <i>Customer Specific Configuration</i>	4028612
Model DPC2425	DPC2425 DOCSIS 2.0 Wireless Residential Gateway with Embedded Digital Voice Adapter. Includes: <ul style="list-style-type: none"> • 100-240 VAC/50-60 Hz, 15VDC/1 A desktop switching regulated power supply • Power cord, Brazil • Ethernet cable • CD-ROM containing user guide and USB driver <i>Brazil</i> <i>Customer Specific Configuration</i>	4028619
2 Voice Ports, International Tuning Plan – PAL/NTSC		
Model DPC2425	DPC2425 DOCSIS 2.0 Wireless Residential Gateway with Embedded Digital Voice Adapter. Includes: <ul style="list-style-type: none"> • 230 VAC/50-60 Hz, 15VDC/1 A wall-mount linear switching power supply for Europe • Ethernet cable • CD-ROM containing user guide and USB driver <i>Europe</i> <i>Customer Specific Configuration</i>	4029063
1 Voice Port, North American Tuning Plan – NTSC		
Model DPC2425	DPC2425 DOCSIS 2.0 Wireless Residential Gateway with Embedded Digital Voice Adapter. Includes: <ul style="list-style-type: none"> • 220 VAC/50-60 Hz, 15VDC/1 A desktop linear switching power supply • Ethernet cable • CD-ROM containing user guide and USB driver <i>Argentina</i> <i>Customer Specific Configuration</i>	4029064

Replacement Components

Table 4. Replacement Components

Description	Part Number
Power Supplies	
<i>Class 2 Linear Switching</i>	
100-120 VAC / 50-60 Hz, 15 VDC /1 A desktop linear switching power supply for North America and Japan	4018796
220 VAC / 50-60 Hz, 15 VDC /1 A desktop linear switching power supply for Argentina	4023778
230 VAC / 50-60 Hz, 15 VDC /1 A wall-mount linear switching power supply with Euro-style connector	4015455
240 VAC / 50-60 Hz, 15 VDC /1 A wall-mount linear switching power supply for Australia	4020503
<i>Class 2 Switching Regulated</i>	
100-240 VAC / 50-60 Hz, 15 VDC /1 A desktop switching regulated power supply with detachable power cord	4007274
Power Cords	
Power cord, 2 conductor, North America, NEMA 1-15 to C7 (non-polarized)	1002239
Power cord, 2 conductor, Argentina	4012938
Power cord, 2 conductor, Brazil	4009115
Power cord, 2 conductor, European, Euro plug CEE7/16 to C7	503414
CD-ROM	
CD-ROM with User Guide	7016771



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