Cisco DDR2201 Residential Gateway

The Cisco® DDR2201 residential gateway is optimized to deliver high-speed Internet, quality video content and VoIP to subscribers in an integrated, "no-new wires" complete home networking solution.

The DDR2201 was built to satisfy the demands of video service. It was developed and tested in the same laboratories that produce our IPTV set-tops; naturally, the platform incorporates proven technologies that facilitate delivery of IPTV services.

Service providers may save time and money in two ways. First, the DDR2201 requires no new wiring; HPNA technology provides home networking over existing coaxial wiring. Together with the 802.11g wireless environment, your customers will enjoy flexible multi-user video, data, and voice services support throughout the home.

Second, monitoring and troubleshooting are intuitive with easy-to-understand, front-panel LEDs that show status and real-time data transmission activity. And the DDR2201 provides all this functionality in a single box, reducing confusion and freeing space for other devices. The DDR2201 mounts easily on a desk or wall, wherever you need it.

Figure 1.   Cisco DDR2201 Front Panel (image may vary from actual product and specification)

Features

Leading-edge Technologies

- Integrated IP-over-coax HPNA 3.0 provides an exceptional "no-new wires" home networking solution, optimized for high-speed delivery of time-sensitive content such as video services
- Next-generation ADSL2+ WAN interface speeds data downstream and supports multiple video streams

- Supports remote management of residential gateway (RG) and attached devices (such as IP-STB) based on TR-069 specifications
- IGMP proxy and snooping capabilities facilitate effective video stream management

Design and Function

- Attractive compact design that allows for vertical, horizontal, or wall-mounted placement
- Easy-to-read, front-mounted LED status indicators show real-time data transmission activity
- Rugged electronic components improve long-term reliability

Robust QoS Platform

- IP QoS mechanisms are fully supported to help ensure robust video quality
- QoS support extends to the HPNA 3.0 home network

Connections

- Bridged 10/100BASE-T auto-sensing / auto-MDIX Ethernet port, and USB 1.1 data port
- Integrated 4-port Ethernet switch for easy connection to PCs and other devices
- HPNA 3.0 bridge and router functionality, and integrated firewall support
- 802.11g wireless interface

Figure 2.   Cisco DDR2201 Front Panel (image may vary from actual product and specification)

Table 1.   Front Panel

LED Indicators	
WIRELESS SECURITY SETUP	Subscribers can automatically configure the wireless device in the home. Illuminates if automatic wireless security is on
POWER	Illuminates solid green to indicate that AC power is being applied to the residential gateway
LAN1 - LAN4	Illuminates solid green when an Ethernet carrier is present. Blinks when data is being transferred
USB/PC	Does not apply to Model DDR2201
USB DEVICE	12 Mbps USB port connects to the USB port on your USB device
WIRELESS	Illuminates solid green when the wireless access point is enabled and operational. Blinks when wireless data is transferred. Off when the user has disabled the wireless access point.
HPNA	Illuminates solid when linked to another HPNA device and blinks when HPNA activity occurs
TEL 1 and TEL 2	TEL 1 illuminates solid green when telephony service is enabled. Blinks when line 1 is in use TEL 2 illuminates solid green when telephony service is enabled. Blinks when line 2 is in use
DSL/WAN	Indicates whether a DSL signal is acquired (or trained)
INTERNET	Indicates wide area network (WAN) traffic

Figure 3.   Cisco DDR2201 Back Panel (image may vary from actual product and specification)

Table 2.   Back Panel

External Connectors	
POWER	Connects the residential gateway to the power adapter that is provided
On and Off Switch	Powers the residential gateway on and off
RESET	• Press to reset the residential gateway • Press for more than 10 seconds resets to factory default values
PSTN	Connects to the PSTN telephone wiring and is used as a backup to voice over IP (VoIP) service in the event of a power outage to the residential gateway
TEL 1 and TEL 2	RJ-11 telephone ports connect to home telephone wiring to conventional telephones or fax machines
HPNA	Connects to the coaxial cable wiring in the house for data and video distribution
LAN 1–LAN 3 W/LAN 4	Four RJ-45 Ethernet ports
USB DEVICE	12 Mbps USB port connects to the USB port on your USB device
DSL	RJ-11 port connects to the DSL line from the service provider
ANTENNA	Receives and transmits data packets to wireless devices

Table 3.   Ordering Information

Part Number	Description
4030545	DDR2201 ADSL2+ Residential Gateway

Contact your Sales Representative for product availability in your area.

Part Number 7017299 Rev A
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