

## Cisco CVA120 Series Cable Voice Adapters

### *Providing flexible IP telephony for your evolving multi-service network*

THE CISCO CVA120 SERIES CABLE VOICE ADAPTERS ARE THE IDEAL SOLUTION FOR CABLE SERVICE PROVIDERS DEPLOYING INTEGRATED VOICE AND DATA SERVICES TO THE HOME OFFICE MARKET. AS A PRIMARY- OR SECOND-LINE VOICE-OVER-CABLE CUSTOMER PREMISES EQUIPMENT (CPE) DEVICE WITH BASIC DATA AND NETWORK SECURITY CAPABILITIES, THE CISCO CVA120 SERIES OFFERS THE QUALITY, FLEXIBILITY, RELIABILITY, AND STABILITY SERVICE PROVIDERS NEED TO PROFITABLY SERVE THIS MARKET.

The Cisco CVA120 Series consists of cable modems designed to provide voice and high-speed data services over the same IP-based cable infrastructure for maximum efficiency and minimal management. In a landscape of evolving standards, it ensures investment protection with support for multiple voice protocols, allowing service providers to deploy voice services with confidence. With Cisco IOS<sup>®</sup> software at its core and with both DOCSIS and EuroDOCSIS versions, the Cisco CVA120 Series are the only multiprotocol voice cable modem that provides a migration path to the latest standards as they are developed.



#### Applications

- Voice over IP service
- High-speed Internet access
- Home office voice and data services

#### Product Features

Feature	Benefit
<b>Value-Added Data Features</b> <ul style="list-style-type: none"> <li>• Ethernet Port</li> <li>• DOCSIS/EuroDOCSIS Bridge Mode or IP Routing Mode</li> <li>• Separate Routed Ethernet and Universal Serial Bus (USB)</li> <li>• Cisco Easy IP (NAT/PAT, multi-NAT, and DHCP server)</li> </ul>	<ul style="list-style-type: none"> <li>• Allows multiple users and supports advanced data capabilities such as Network Address Translation (NAT)</li> <li>• Offers a range of data services from basic to advanced with one CPE device</li> <li>• Supports more advanced network configurations and allows two revenue-generating services with investment in one CPE device</li> <li>• Preserves precious and finite public address space and provides basic security for home and small offices</li> </ul>
<b>ToII-Quality Voice</b> <ul style="list-style-type: none"> <li>• Voice-Enabled Cable Modem</li> <li>• Up to Four Voice Ports</li> <li>• H.323, Simple Gateway Control Protocol (SGCP), and Media Gateway Control Protocol (MGCP) Support</li> <li>• Broad CODEC Support (G.711, G.723.1, G.726, G.728, G.729, G.729a)</li> <li>• Custom-Calling and CLASS Features</li> <li>• Fax Machine and Analog Modem Support</li> <li>• Optional Battery Backup</li> </ul>	<ul style="list-style-type: none"> <li>• Expands revenue potential beyond basic Internet access</li> <li>• Scalability to offer a range of telephony services with one CPE device</li> <li>• Flexibility to adapt to changing standards and architecture as solution scales with growing voice penetration</li> <li>• Provides compatible solution for balancing network bandwidth requirements and voice quality</li> <li>• Compete effectively with incumbent service provider by providing the features subscribers expect from primary-line telephony</li> <li>• Compete effectively with incumbent service provider by supporting all required home and small office equipment support</li> <li>• Allows telephony service to remain available when power is disrupted from local premise</li> </ul>

Feature	Benefit
<b>Easy Setup and Installation</b> <ul style="list-style-type: none"> <li>• USB Port</li> <li>• No Local Console Port</li> <li>• Consumer-Oriented Form Factor</li> </ul>	<ul style="list-style-type: none"> <li>• Plug-and-play installation for end users and also allows connection to network without the expense and installation of a network interface card</li> <li>• Elimination of local console port simplifies end-user installation, reduces risk of hackers, and ensures configuration will be maintained by service provider</li> <li>• Leading-edge design allows horizontal or vertical orientation and can be mounted on a wall</li> </ul>
<b>Cisco IOS Software Manageability</b> <ul style="list-style-type: none"> <li>• Cisco IOS Operating Environment</li> <li>• SNMP, Telnet, and FTP Support</li> </ul>	<ul style="list-style-type: none"> <li>• Common operating environment simplifies training and leverages existing knowledge</li> <li>• Allows centralized administration and management and remote diagnosis of problems</li> </ul>
<b>Proven Design Platform</b> <ul style="list-style-type: none"> <li>• Common Design Platform</li> <li>• Cisco IOS Operating Environment</li> </ul>	<ul style="list-style-type: none"> <li>• Leverages most design elements from the award-winning, field proven, Cisco uBR924</li> <li>• Common software used for all Cisco cable CPE devices provides a reliable and proven operating environment as well as investment protection through ongoing enhancement of the operating system</li> </ul>

## Technical Specifications

Physical Specifications	
<b>Dimensions and Weight</b> <ul style="list-style-type: none"> <li>• Dimensions (H x W x D)</li> <li>• Weight (Cisco CVA124)</li> <li>• Weight (Power Adapter)/UPS)</li> </ul>	<ul style="list-style-type: none"> <li>• 1.6 in x 6.75 x 8.25</li> <li>• 1.5 lb</li> <li>• 0.75 lb/8 lb</li> </ul>
<b>Power</b> <ul style="list-style-type: none"> <li>• Power Consumption</li> <li>• Power Supply Rating</li> <li>• DC Input Voltage</li> </ul>	<ul style="list-style-type: none"> <li>• 6 to 15W (idle-maximum)</li> <li>• 20W</li> <li>• +5 V, -30V, -56V</li> </ul>
<b>Physical Interfaces</b> <ul style="list-style-type: none"> <li>• Ethernet</li> <li>• USB</li> <li>• CATV</li> <li>• Telephone</li> </ul>	<ul style="list-style-type: none"> <li>• RJ-45, 10BaseT</li> <li>• Series-B Receptacle</li> <li>• Female F-Connector</li> <li>• RJ-11, FXS</li> </ul>
<b>Indicators</b>	<ul style="list-style-type: none"> <li>• Cable status</li> <li>• Ethernet link/data</li> <li>• USB link/data</li> <li>• Operator-defined</li> </ul>
<b>Environmental Specifications</b> <ul style="list-style-type: none"> <li>• Operating temperature</li> <li>• Nonoperating temperature</li> <li>• Relative humidity</li> </ul>	<ul style="list-style-type: none"> <li>• (0 to 40 C)</li> <li>• (-30 to +65 C)</li> <li>• 5% to 95% noncondensing</li> </ul>

Regulatory and Standards Compliance	
<b>Safety</b> <ul style="list-style-type: none"> <li>• CSA 950-95, Third Edition</li> <li>• IEC 950: Second Edition with Amendments 1, 2, 3, and 4</li> <li>• EN60950:1992 with Amendments 1, 2, 3, 4, and 11</li> <li>• AS/NZS 3260: 1996 with Amendments 1, 2, 3, and 4</li> <li>• TS001:1997</li> </ul>	
<b>Emissions</b> <ul style="list-style-type: none"> <li>• CFR 47 Part 15 Class B</li> <li>• EN55022 Class B</li> <li>• VCCI Class B</li> <li>• AS/NRZ 3548:1992 Class B</li> <li>• ICES-003, Issue 2, Class B, April 1997</li> </ul>	
<b>Immunity</b> <ul style="list-style-type: none"> <li>• Harmonics</li> <li>• Flicker</li> <li>• Electrostatic discharge</li> <li>• Radiated immunity</li> <li>• Electrical fast transients</li> <li>• Surge immunity</li> <li>• Conducted immunity</li> <li>• Voltage dips/fluctuations</li> </ul>	<ul style="list-style-type: none"> <li>• EN61000-3-2</li> <li>• EN61000-3-3</li> <li>• EN61000-4-2</li> <li>• EN61000-4-3</li> <li>• EN61000-4-4</li> <li>• EN61000-4-5</li> <li>• EN61000-4-6</li> <li>• EN61000-4-11</li> </ul>
<b>Cable Plant Compliance</b> <ul style="list-style-type: none"> <li>• Designed for compliance to CableLabs DOCSIS/EuroDOCSIS requirements</li> </ul>	



Corporate Headquarters  
Cisco Systems, Inc.  
170 West Tasman Drive  
San Jose, CA 95134-1706  
USA  
www.cisco.com  
Tel: 408 526-4000  
800 553-NETS (6387)  
Fax: 408 526-4100

European Headquarters  
Cisco Systems Europe  
11, Rue Camille Desmoulins  
92782 Issy Les Moulineaux  
Cedex 9  
France  
www-europe.cisco.com  
Tel: 33 1 58 04 60 00  
Fax: 33 1 58 04 61 00

Americas  
Headquarters  
Cisco Systems, Inc.  
170 West Tasman Drive  
San Jose, CA 95134-1706  
USA  
www.cisco.com  
Tel: 408 526-7660  
Fax: 408 527-0883

Asia Pacific Headquarters  
Cisco Systems Australia, Pty., Ltd  
Level 17, 99 Walker Street  
North Sydney  
NSW 2059 Australia  
www.cisco.com  
Tel: +61 2 8448 7100  
Fax: +61 2 9957 4350

Cisco Systems has more than 190 offices in the following countries. Addresses, phone numbers, and fax numbers are listed on the [Cisco.com](http://www.cisco.com) Web site at [www.cisco.com/go/offices](http://www.cisco.com/go/offices).

Argentina • Australia • Austria • Belgium • Brazil • Canada • Chile • China • Colombia • Costa Rica • Croatia • Czech Republic • Denmark • Dubai, UAE  
Finland • France • Germany • Greece • Hong Kong • Hungary • India • Indonesia • Ireland • Israel • Italy • Japan • Korea • Luxembourg • Malaysia  
Mexico • The Netherlands • New Zealand • Norway • Peru • Philippines • Poland • Portugal • Puerto Rico • Romania • Russia • Saudi Arabia • Singapore  
Slovakia • Slovenia • South Africa • Spain • Sweden • Switzerland • Taiwan • Thailand • Turkey • Ukraine • United Kingdom • United States • Venezuela