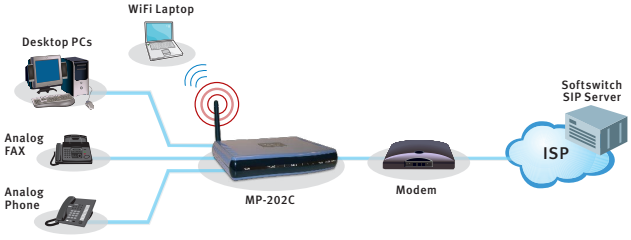
MP-20x Series

MediaPack 202C Broadband VoIP Gateway and Wireless Router

- Comprehensive VoIP Gateway for Voice over Broadband (VoBB) networks, ideal for Residential and SOHO use
- 1 or 4 LAN ports with wireless (802.11 b/g) router, Firewall, NAT and advanced traffic prioritization mechanisms
- 2 analog (FXS) ports for connecting phones or fax machines
- Mass deployment provisioning with TR-069 and remote provisioning
- Broad interoperability list with Softswitches and SIP Servers



The **MediaPack™ 202C (MP-202C) Broadband Wireless VoIP Gateway** is a state-of-the-art, cost-effective, VoIP gateway, which allows the connection of home and SOHO IP networks, as well as ordinary analog telephones or fax machines to the Voice over Broadband (VoBB) service. As a member of the MediaPack™ series of media gateways, the MP-202C series of Broadband VoIP Gateways are well-suited to operate with any standard SIP-based, commercial VoIP providers. Field-proven voice, fax and feature-rich technology enables AudioCodes' Broadband VoIP Gateways to be an ideal choice for Voice over Broadband (VoBB) service providers and operators.

Designed for Residential and SOHO IP Telephony

The MP-202C series was designed for the rapidly growing residential and Small Office/Home Office (SOHO) VoIP market. The MP-202C series typically connects to an existing Broadband Internet device (cable modem, DSL modem or fixed wireless), and establishes a communication link with the service provider network via its IP Uplink connection. Supporting a rich set of subscriber calling features such as caller ID, call forwarding, and call waiting (provided these feature are supported by the telephones and service provider), the MP-202C series maintains a uniform user experience when migrating to VoIP services. In addition, the MP-202C series serves as a router and a wireless Access Point, supporting connectivity of home PC Networks (wired and wireless) and the Internet.

Benefits from Extensive Experience

Utilizing AudioCodes' VoIPerfect™ software architecture, and gaining from its vast experience in providing IP telephony solutions, the MP-202C series combines superior voice quality and cutting-edge features for end users, such as T.38 Fax Relay and G.168 compliant Echo Cancelation. Low bit-rate vocoders (voice coders) can be used simultaneously on both telephony ports to conserve valuable bandwidth.

Interoperability

The MP-202C series is designed for interoperability with leading Softswitches and SIP servers for deployment in various network environments.

MP-202C Key Features

- 2 Phone (FXS) ports for connecting POTS phones or fax machines
- WAN and LAN Ethernet ports for internal routing and switching
- WiFi Access Point (802.11 b/g)
- Bridge mode or full router functionality with DHCP, NAT, Firewall and configurable routing logic
- Premium voice quality
- Prioritization of voice over data traffic ensuring voice quality
- TR-069 support for mass deployment provisioning

AudioCodes

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Specifications

Available Configurations			
MP-202C-A	2 FXS lines, 1 WAN port, 1 LAN port		
MP-202C-R	2 FXS lines, 1 WAN port, 4 LAN ports		
MP-202C-W	2 FXS lines, 1 WAN port, 4 LAN ports and Integrated 802.11b/g WiFi Access Point		
Telephony Features			
Supplementary Features	Call Waiting, Call Hold, Call Transfer, Call Forward, Hot Line, 3-Way Conference with local mixing, Network 3-Way Conference, Do Not Disturb, Dialing Plan		
Analog Signaling	Caller ID (Bellcore, ETSI, DTMF), MWI, Polarity Reversal, Distinctive Ringing		
	DTMF Relay - RFC 2833, DTMF via SIP INFO		
	Hook Flash - Local Processing or Relay		
	Configurable Call Progress Tones (per country)		
Media Processing			
Voice Coders	G.711µ/a-law, G.729A/B, G.723.1		
Fax	T.38, VBD (Voice Band Data), Bypass		
Echo Cancelation	G.168 Full duplex echo canceler		
Silence Suppression	VAD, CNG		
Adaptive Jitter Buffer	300 ms		
Packetization	RTP/RTCP Packetization – RFC 3550, 3551		
Protocol Support			
VoIP Signaling Support	SIP over TCP/UDP – RFC 3261		
	SIP over TLS		
Data Protocols and Features	IPv4, TCP, UDP, ICMP, ARP, RTP, RTCP		
	802.11 b/g wireless access point (MP-202C-W)		
	PPPoE – RFC 2516, PPTP, L2TP		
	DNS, Dynamic DNS, STUN		
	IEEE 802.1p (QoS)		
	ToS/Diffserv		
	Layer 2 switching or WAN to LAN Layer 3 routing with:		
	- DHCP Client/Server – RFC 2132		
	- RIP V1/V2 and static routing		
	- NAT – RFC3022, Application Layer Gateway (ALG)		
	- Voice over Data prioritization		
	- QOS traffic shaping		
Security Features			
General Security	SPI Firewall, URL filtering, Advanced Access Control, Denial of Service Prevention, Configuration File Encryption, Web Authentication, HTTPS provisioning		
Wireless Security	RADIUS server (802.1x/WPA client Authentication), WPA, WPA2, WPA/WEP mixed mode, TKIP Encryption, MAC Filtering		
SIP Security	SIPS (SIP over TLS)		
Management			
Automated Provisioning	Software and Configuration upgrade via HTTP/HTTPS/TFTP/FTP		
Administration	Web Server for Configuration and Management		
	TR-069, TR-104		
	Integrated SNMP agent		
	CLI over Telnet		
	Syslog support for debug and diagnostics		
Physical Specifications			
Telephone Interfaces	2 RJ-11 FXS ports		
Network Interface	WAN/LAN 10/100 Base-T(RJ-45) , 1 (MP-202C-A) or 4 (MP-202C-R/W) LAN 10/100 Base-T (RJ-45), 802.11b/g WiFi (MP-202C-W)		
Weight and Dimensions	MP-202C-A	223g	167.2x134x33.3 mm
	MP-202C-R	249g	167.2x134x33.3 mm
	MP-202C-W	263g	167.2x153x33.3 mm
Power	+12 VDC 1A External Power Adaptor, 110/220 VAC/50-60 Hz		
LED Indications	Power, Status LED, Ethernet activity, Phone activity, WiFi LED		
	LEDs indicating upgrade in process		
	Softswitch Registration Status		
Operating Temperature	0° to 40°C		
Storage Temperature	-25° to 70°C		
Operating Humidity	10% to 90% non-condensing		
Storage Humidity	10% to 90% non-condensing		

About AudioCodes

AudioCodes Ltd. (NasdaqGS: AUDC) designs, develops and sells advanced Voice over IP (VoIP) and converged VoIP and Data networking products and applications to Service Providers and Enterprises. AudioCodes is a VoIP technology leader focused on VoIP communications, applications and networking elements, and its products are deployed globally in Broadband, Mobile, Cable, and Enterprise networks. The company provides a range of innovative, cost-effective products including Media Gateways, Multi-Service Business Gateways, Residential Gateways, IP Phones, Media Servers, Session Border Controllers (SBC), Security Gateways and Value Added Applications. AudioCodes underlying technology, VoIPerfectHD™, relies primarily on AudioCodes leadership in DSP, voice coding and voice processing technologies. AudioCodes High Definition (HD) VoIP technologies and products provide enhanced intelligibility, and a better end user communication experience in emerging Voice networks.

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