

# AudioCodes CPE & Access Gateway Products

## MediaPack™ Series

### MediaPack 202C Broadband VoIP Gateway and Wireless Router



- Comprehensive VoIP Gateway for Voice over Broadband (VoBB) networks, ideal for Residential and SOHO use
- 1-4 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

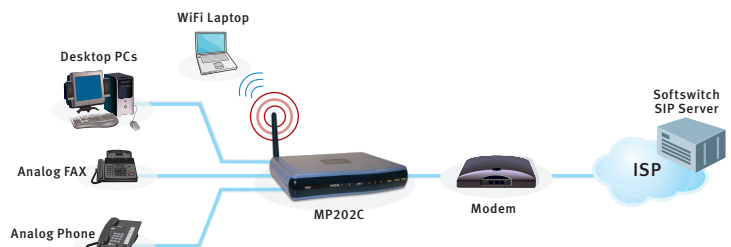
The MP-202C series was designed for the rapidly growing residential and Small Office/Home Office (SOHO) VoIP market. The MP-202C series typically connects to an existing Broadband Internet device (cable modem, DSL modem or fixed wireless), and establishes a communication link with the service provider 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' VolPerfect™ 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 Cancellation. 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.



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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 Cancellation	G.168 Full duplex echo canceler
Silence Suppression	VAD, CNQ
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/Q (QoS & VLAN Tagging) 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, TR-111 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) provides innovative, reliable and cost-effective Voice over IP (VoIP) technology, Voice Network Products, and Value Added Applications to Service Providers, Enterprises, OEMs, Network Equipment Providers and System Integrators worldwide. AudioCodes provides a diverse range of flexible, comprehensive media gateway, and media processing enabling technologies based on VoIPerfect™ - AudioCodes' underlying, best-of-breed, core media architecture. The company is a market leader in VoIP equipment, focused on VoIP Media Gateway, Media Server, Session Border Controllers (SBC), Security Gateways and Value Added Application network products. AudioCodes has deployed tens of millions of media gateway and media server channels globally over the past ten years and is a key player in the emerging best-of-breed, IMS based, VoIP market. The Company is a VoIP technology leader focused on quality and interoperability, with a proven track record in product and network interoperability with industry leaders in the Service Provider and Enterprise space. AudioCodes Voice Network Products feature media gateway and media server platforms for packet-based applications in the converged, wireline, wireless, broadband access, cable, enhanced voice services, video, and Enterprise IP Telephony markets. AudioCodes' headquarters and R&D are located in Israel with an additional R&D facility in the U.S. Other AudioCodes' offices are located in Europe, India, the Far East, and Latin America.

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