

## Analog VoIP Gateway (MediaPack™ 5xx)

The AudioCodes **MediaPack™ 5xx series of analog VoIP gateways** provide service providers and enterprises with superior voice technology for connecting legacy telephones, fax machines and PBX systems with IP telephony networks, IP-PBX systems and unified communications solutions.



MediaPack 5xx gateways offer comprehensive SIP interoperability with leading vendors, delivering secure and reliable communications for enterprises and branch office locations.

**4 or 8 Analog Ports | Zero-Touch Provisioning | Branch Survivability | T.38 Fax Compliant**



### Comprehensive interoperability

Proven interoperability with SIP trunks, SIP platforms and IP cloud services



### High resiliency

Standalone survivability (SAS) and fallback to PSTN for E911 (emergency number PSTN breakthrough) or upon network/power failure



### Superior voice quality

Advanced capabilities for optimizing and monitoring voice service quality



### Enhanced capabilities

Includes MWI, long haul, metering tones generation and caller ID



### All-in-one option

Option to add data routing capabilities within the same device

Specifications\*

Interfaces	
<b>Telephony Interfaces</b>	2/4/8 ports, FXS loop-start
<b>Network Interfaces</b>	WAN copper Ethernet 10/100/1000; LAN 10/100/1000Base-TX
Voice Features	
<b>SBC Capacity</b>	30 Signaling/Media Sessions <span style="float: right;">100 Registered Users</span>
<b>Voice Coders</b>	G.711, G.723.1, G.729A, G.722
<b>Echo Cancellation</b>	G.165 and G.2002-168, with 64, 32 or 128 msec tail length
<b>Fax Transport</b>	T.38 compliant (real time fax), automatic bypass to PCM
<b>Voice Security - Session Border Controller (SBC)</b>	<ul style="list-style-type: none"> <li>SIP header conversion, SIP normalization</li> <li>Survivability</li> <li>IP-to-IP routing translations of various SIP transport types; UDP, TCP, TLS, translation of RTP, SRTP without reduction</li> <li>Support SIP trunk with multi-ITSP (registrations to ITSPs are invoked independently)</li> </ul> <ul style="list-style-type: none"> <li>Topology hiding</li> <li>Call Admission Control</li> <li>Call black/white list</li> </ul>
Analog Telephony Features	
<b>3-Way Conference</b>	On-board 3-way conference
<b>MWI</b>	Message Waiting Indication: High (neon) and low (LED) voltage, FSK, stutter dial tone
<b>Caller ID</b>	Bellcore GR-30-CORE Type 1 using Bell 202 FSK modulation, ETSI Type 1, NTT, Denmark, India, Brazil, United Kingdom and DTMF ETSI CID (ETS 300-659-1)
<b>Polarity Reversal/Wink</b>	Immediate or smooth to prevent erroneous ringing
<b>Metering Tones</b>	12/16 KHz sinusoidal bursts, generation on FXS
<b>Distinctive Ringing</b>	By frequency (15-100 Hz) and cadence patterns
Analog Telephony Features	
<b>Ring Voltage</b>	Sine: 54 VRMS typical (balanced ringing only)
<b>Ring Frequency</b>	15-50Hz
<b>Maximum Ringer Load</b>	REN 3 (2/4/8 ports)
<b>Loop Impedance</b>	Up to 800 ohm (including phone impedance)
<b>Line Current</b>	Up to 25 mA on 4 ports
Control and Management	
<b>Control Protocols</b>	<ul style="list-style-type: none"> <li>SIP-TCP, SIP-UDP, SIP-TLS and IPv6 supported</li> </ul>
<b>Operations &amp; Management</b>	<ul style="list-style-type: none"> <li>AudioCodes' One Voice Operation Center</li> <li>Embedded HTTP Web Server, SNMP V2/V3, SSH, Telnet, TR-69, TR-098, TR-181, TR-104</li> <li>User authentication and access control via HTTP or HTTPS, RADIUS, TACACS, Syslog (for events and alarms)</li> <li>Zero-touch provisioning</li> </ul>
Optional Data Routing and Security	
<b>Routing Functionality</b>	<ul style="list-style-type: none"> <li>IPv6, IPv6/IPv4 Dual Stack, ICMPv6, DHCPv6, SLAAC</li> <li>VLAN and IEEE 802.1Q VLAN tagging</li> <li>DHCP client, relay, server</li> <li>Layer 3 routing and layer 2 bridging, jumbo frames</li> <li>Static and dynamic routing (RIP1, RIP2, OSPFv2, BGP), policy-based routing</li> </ul>
<b>Data Security</b>	<ul style="list-style-type: none"> <li>Stateful packet inspection firewall</li> <li>Network Access Control - 802.1x</li> <li>IPSec with IKEv2</li> <li>ESP - Tunnel mode</li> <li>Encryption protocols: 3DES, AES, SHA-256, MD-5</li> </ul> <ul style="list-style-type: none"> <li>IDS/IPS (fragmented traffic, malformed request, ping of death, properly formed request from unauthenticated source, DDoS attack, SYN flood)</li> <li>Packet filtering</li> </ul>
<b>Quality of Service</b>	<ul style="list-style-type: none"> <li>IEEE 802.1P, DSCP, TOS, DiffServ labeling, WRED,</li> <li>Marking, policing, and shaping, class-based queuing with prioritization, queuing based on VLAN</li> </ul>
Physical/Environmental	
<b>Dimensions, Weight</b>	51 x 296 x 160 mm (HxWxD), 1.5 lb (670g)
<b>Mounting</b>	Desktop or wall mount
<b>Power</b>	100-240V, 50-60 Hz, 0.8A

\* For specific configuration availability please contact an AudioCodes sales representative



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