

MediaPack™ 1288

High Density Analog VoIP Gateway

The AudioCodes MediaPack 1288 is a best-of-breed high-density analog media gateway. It offers a cost-effective solution for organizations transitioning to all-IP that need to integrate large numbers of analog devices (such as legacy phones, fax machines and modems) into their new infrastructure. The MediaPack 1288 enables these organizations to protect the investment made in their analog devices and cabling while enjoying the functional and cost benefit of the move to an all-IP infrastructure.



Fully interoperable with leading softswitches, unified communications (UC) servers and SIP proxies, the MediaPack 1288 is ideal for service providers, hosted UC operators, the hospitality sector and large enterprise campuses.

The MediaPack 1288 is Microsoft compatible SIP Gateway enables Teams calling functionality.

288 FXS Ports | 3U Chassis | Dual Power Supplies | Comprehensive Interoperability



High resiliency

Call survivability for all analog FXS extensions and for additional external IP phones



Advanced line capabilities

Short and long haul up to 7.5 km, integrated surge protection for FXS



Emergency phone support

Support for emergency/elevator phones that require higher loop current and increased ring voltage



SBC functionality

Integrated SBC capabilities for survivability and connection to SIP trunks



Enhanced security

SRTP on all channels without capacity hit



Fax support

Extensive fax support including T.38 version 3

Specifications

System Capacity			
Telephony Capacity	288 FXS ports. Four available capacity options: 288, 216, 144 and 72 ports		
SBC Capacity	300 SBC sessions, 350 registered users		
Hardware Elements			
CPU Module	Providing the central processing unit with two 100/1000Base-T (Gigabit) Ethernet ports (RJ-45) and 1+1 Ethernet port redundancy		
FXS Blades	4 FXS blades, each blade supports 72 FXS ports FXS connection via three 50-pin CHAMP connectors per FXS blade Lifeline support - automatic switching to PSTN via 3 dedicated lifeline interfaces per FXS blade		
Network Protocols			
IP Transport	IPv4, IPv6 for media and control, RTP/RTCP per IETF RFC 3550, RTCP-XR		
Control	SIP (RFC 3261) over UDP, TCP and TLS (1.2)		
Media	RTP (RFC 3550), SRTP (RFC 3711), RTCP (RFC 3550), RTCP-XR (RFC 3611)		
Voice Capabilities			
Voice Over Packet	G.168-2004 compliant echo cancellation, packet loss concealment, dynamic programmable jitter buffer, silence suppression/comfort noise generation, RTP redundancy, broken connection detection		
Voice Compression	G.711, G.723.1, G.726 ADPCM, G.727 ADPCM, G.729A/B, G.722, AMR-NB, Opus-NB		
Fax-Over-IP	Bypass, T.38 and T.38v3		
3-Way Conference	Up to 24 three-way conferences with local mixing across all FXS blades		
Signaling			
Message Manipulation	Ability to add/modify/delete SIP headers and message body using advanced regular expressions (regex)		
Routing Methods	Request URL, IP address, FQDN, ENUM, advanced LDAP, third-party routing control through REST API		
Routing Features	Least-cost routing, call forking, load balancing, emergency call detection and prioritization		
Management			
OAM&P	Web GUI, SSH/Telnet, SNMP v2/v3, INI file, REST API AudioCodes' One Voice Operation Center		
Power			
AC Power Specifications	100-240V~, Input Frequency 50/60 Hz, Max. Input Current 10 A		
DC Power Specifications	40-60 VDC, 32A max		
Redundant Power Supply	Dual feed, redundant power supply modules		
Max. Power Consumption	FXS Interfaces		Short Haul (W)
	288		450
	216		400
	144		350
		Long Haul (W)	950
			770
			600
Physical			
Width	17.24 inches (438 mm)	Height	5.16 inches (131.2 mm)
Depth	17.75 inches (451 mm)	Weight	21 Kg (fully populated system)
Mounting	3U, 19-inch rack		
Environment			
Temperature	Operational Temp.: 0 to 40°C (41 to 104°F)	Storage Temp.: -40 to 70°C (-40 to 158°F)	Humidity: 5 to 90% non-condensing
Cooling	Front-to-rear air flow		
FXS Port Specifications			
FXS Signaling Formats	In-band signaling DTMF (TIA 464B), out-of-band pulse signaling		
FXS Loop Impedance	Up to 1500 ohm (including phone impedance)		
Off-hook Loop Current	25 mA max. on all ports (35 mA max. on two ports per FXS blade for emergency/elevator phones)		
Ring Voltage	- 54Vrms Sinewave balanced ringing of up to 288 phones simultaneously - 85Vrms/20Hz – Trapezoid waveform ringing of up to 6 phones per each 12 ports segment Notes: Balanced ringing only, enables simultaneous ringing of 288 phones (72 per FXS blade given REN3 load)		
Ring Frequency	25-100 Hz		
Maximum Ringer Load	Ringer Equivalency Number (REN) 3		
Caller ID	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)		
Distinctive Ringing	By frequency (15-100 Hz) and cadence patterns		
Message Waiting Indication (MWI)	High and low DC voltage generation (TIA/EIA-464-B), V23 FSK data, stutter dial tone		

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