

AXIS C8210 Network Audio Amplifier

Network audio with any speakers

AXIS C8210 Network Audio Amplifier is a smart migration tool for transforming any passive speaker, independent of brand or design, into a network speaker. It allows you to enjoy the benefits of network audio, such as zone management for announcements (live, scheduled, or triggered) and background music. Together with audio management software from Axis it is easy to build a scalable and flexible solution with central control as well as integrating it with other systems such as VoIP or network cameras.

- > 15W power amplifier with built-in DSP
- > Use with one or multiple speakers
- > System health monitoring
- > One cable for power and connectivity (PoE)
- > Open standards for easy integration



AXIS C8210 Network Audio Amplifier

Audio		Casing
Audio management	Software applications for managing and controlling your audio system regardless of its size and complexity:	
	 Included in the product (runs inside the device) is AXIS Audio Manager Edge, offering zone management, content 	Environme
	management, content scheduling and health monitoring. Up to	Memory
	200 speakers and 20 zones are supported (see separate datasheet for more details). – For larger and more advanced systems we recommend	Power
	AXIS Audio Manager Pro (see separate datasheet).	Connector
Maximum output power	6 W with PoE Class 3, 15 W with PoE Class 4	
Supported speaker impedance	4 -16 Ω	Storage
Frequency response	20 Hz - 20 kHz	Reliability
Audio encoding	AAC LC 8/16/32/48 kHz, G.711 PCM 8 kHz, G.726 ADPCM 8 kHz,	Operating
	Axis μ-law 16 kHz, WAV,	conditions
	MP3 in mono/stereo from 64 kbps to 320 kbps. Constant and variable bit rate.	Storage
	Sampling rate from 8 kHz up to 48 kHz.	conditions
Audio streaming	One-way/two-way ^a , mono	Approvals
Network		
Security	Password protection, IP address filtering, HTTPS ^b encryption, IEEE 802.1X ^b network access control, Digest authentication, User access log, Centralized Certificate Management	
Supported protocols	IPv4/v6 ^c , HTTP, HTTPS ^b , SSL/TLS ^b , OoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, Bonjour, UPnP TM , SNMP v1/v2c/v3 (MIB-II), DNS, DynDNS, NTP, RTSP, RTP, TCP, UDP, IGMPv1/v2/v3, RTCP, ICMP, DHCP, ARP, SOCKS, SSH, NTCIP, SIP (Cisco, Avaya, Asterisk)	
System integra	tion	Dimension
Application	Open API for software integration, including VAPIX®, One-click	Weight
Programming Interface	cloud connection, AXIS Camera Application Platform (ACAP) Support for Session Initiation Protocol (SIP) for integration with	Included accessorie
	Voice over IP (VoIP) systems, peer to peer or integrated with SIP/PBX. Tested with various SIP clients such as Cisco, Bria and	Optional accessorie
	Tested with various Sir Clients such as Cisco, Bha and Grandstream. Tested with various PBX suppliers such as Cisco and Asterisk.	Managem software
Audio	Built-in audio synchronization for up to 30 speakers with unicast	Lamana
synchronization	and hundreds of speakers with multicast. No additional speaker management software or hardware required.	Languages Warranty
Intelligent audio	Speaker impedance detection and over current protection	vvairanty
Event triggers	Call, virtual inputs, external input, AXIS Camera Application Platform (ACAP)	a. This produ support to b. This produ
Event actions	Play audio clip, send SNMP trap, status LED File upload via HTTP, network share and email Notification via email, HTTP, HTTPS and TCP External output activation	OpenSSL Young (eac. Audio syn
Built-in	Test verification and identification	Environment
installation aids		axis.com/env

General

Casing	IP20-rated Metal casing Color: Black NCS S 9000-N	
Environment	PVC free	
Memory	512 MB RAM, 512 MB Flash	
Power	Power over Ethernet (PoE) IEEE 802.3af Type 1 Class 3 (max 12.95 W), IEEE 802.3at Type 2 Class 4 (max 25 W)	
Connectors	RJ45 10BASE-T/100BASE-TX PoE I/O: 4-pin 2.5 mm terminal block for two configurable inputs/outputs Audio: 3 pole 3.5 mm line/mic-in (2.2 V _{rms}), 2-pin 5.08 mm speaker-out	
Storage	Support for microSD/microSDHC/microSDXC card Max. size 128 GB For SD card recommendations see www.axis.com	
Reliability	Designed for 24/7 operation.	
Operating conditions	-20 °C to 50 °C (4 °F to 122 °F) Humidity 10–85% RH (non-condensing)	
Storage conditions	-40 °C to 65 °C (-40 °F to 149 °F)	
Approvals	EMC EN 55032 Class A, EN 61000-3-2, EN 61000-3-3, EN 55035, EN 61000-6-1, EN 61000-6-2, FCC Part 15 Subpart B Class A, ICES-003 Class A, VCCI Class A, RCM AS/NZS CISPR 32 Class A Safety IEC/EN/UL 62368-1 Environment	
	IEC/EN 60529 IP20, UL2043 Plenum rated, NEMA 250 Type 1, IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-6, IEC 60068-2-14, IEC 60068-2-27	
Dimensions	IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-6, IEC 60068-2-14,	
Dimensions Weight	IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-6, IEC 60068-2-14, IEC 60068-2-27	
	IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-6, IEC 60068-2-14, IEC 60068-2-27 140 x 75 x 29 mm (5 1/2 x 2 15/16 x 1 1/8 in)	
Weight	IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-6, IEC 60068-2-14, IEC 60068-2-27 140 x 75 x 29 mm (5 1/2 x 2 15/16 x 1 1/8 in) 257 g (0.57 lb) Installation Guide, AVHS authentication key, AXIS Camera Station	
Weight Included accessories Optional	IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-6, IEC 60068-2-14, IEC 60068-2-27 140 x 75 x 29 mm (5 1/2 x 2 15/16 x 1 1/8 in) 257 g (0.57 lb) Installation Guide, AVHS authentication key, AXIS Camera Station license key, I/O connector, speaker connector, velcro, cable ties AXIS Device Microphone A	
Weight Included accessories Optional accessories Management	IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-6, IEC 60068-2-14, IEC 60068-2-27 140 x 75 x 29 mm (5 1/2 x 2 15/16 x 1 1/8 in) 257 g (0.57 lb) Installation Guide, AVHS authentication key, AXIS Camera Station license key, I/O connector, speaker connector, velcro, cable ties AXIS Device Microphone A For more accessories, see www.axis.com AXIS Audio Manager C7050, AXIS Camera Station, video management software from Axis' Application Development	

duct supports two-way audio, audio in and audio out. The product does not two-way communication for conversations. duct includes software developed by the OpenSSL Project for use in the L Toolkit. (www.openssl.org), and cryptographic software written by Eric eay@cryptsoft.com).

ital responsibility:

nvironmental-responsibility

