

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**



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Audio hardware		Notification via email, HTTP, HTTPS and TCP External output activation
Maximum output power	6 W with PoE Class 3, 15 W with PoE Class 4	
Supported speaker impedance	4–16 Ω	Built-in installation aids Test verification and identification
Frequency response	20 Hz – 20 kHz	Cybersecurity
Digital signal processing	Built-in and pre-configured	Edge security Software: Signed firmware, brute force delay protection, digest authentication and OAuth 2.0 RFC6749 OpenID Authorization Code Flow for centralized ADFS account management, password protection
Audio management		Network security IEEE 802.1X (EAP-TLS, PEAP-MSCHAPv2), HTTPS/HSTS, TLS v1.2/v1.3, Network Time Security (NTS), X.509 Certificate PKI, host-based firewall
AXIS Audio Manager Edge	Built in: – Content management for music and live/pre-recorded announcements. – Scheduling to decide when and where to play specific content. – Content prioritization to ensure urgent messages interrupt the schedule. – Zone management allowing you to divide up to 200 speakers into 20 zones. – Health monitoring for remote discovery of system errors. – User management to control who has access to what features. See separate datasheet for more details.	Documentation <i>AXIS OS Hardening Guide</i> <i>Axis Vulnerability Management Policy</i> <i>Axis Security Development Model</i> AXIS OS Software Bill of Material (SBOM) To download documents, go to axis.com/support/cybersecurity/resources To read more about Axis cybersecurity support, go to axis.com/cybersecurity
AXIS Audio Manager Pro	For larger and more advanced systems. Sold separately. See separate datasheet for specifications.	General
AXIS Audio Manager Center	AXIS Audio Manager Center is a cloud service for remote access and management of multi-site systems.	Casing IP20-rated Metal casing Color: Black NCS S 9000–N
Audio software		Environment PVC free
Audio encoding	AAC LC 8/16/32/48 kHz, G.711 PCM 8 kHz, G.726 ADPCM 8 kHz, Axis μ-law 16 kHz, WAV, MP3 in mono/stereo from 64 kbps to 320 kbps. Constant and variable bit rate. Sampling rate from 8 kHz up to 48 kHz.	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)
Audio streaming	One-way/two-way ^a , mono	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
System on chip (SoC)		Storage Support for microSD/microSDHC/microSDXC card Max. size 1 TB For SD card recommendations see www.axis.com
Model	i.Mx 6SoloX	Reliability Designed for 24/7 operation.
Memory	512 MB RAM, 512 MB Flash	Operating conditions -20 °C to 50 °C (4 °F to 122 °F) Humidity 10–85% RH (non-condensing)
Network		Storage conditions -40 °C to 65 °C (-40 °F to 149 °F)
Network protocols	IPv4/IPv6 ^b , HTTP, HTTPS, SSL/TLS, QoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, Bonjour, UPnP™, 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)	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
System integration		Dimensions 140 x 75 x 29 mm (5 1/2 x 2 15/16 x 1 1/8 in)
Application Programming Interface	Open API for software integration, including VAPIX®, One-click cloud connection, AXIS Camera Application Platform (ACAP) Support for Session Initiation Protocol (SIP) for integration with Voice over IP (VoIP) systems, peer to peer or integrated with SIP/PBX. Tested with various SIP clients such as Cisco, Bria and Grandstream. Tested with various PBX suppliers such as Cisco and Asterisk.	Weight 257 g (0.57 lb)
Video management systems	AXIS Audio Manager C7050. Compatible with AXIS Camera Station Edge, AXIS Camera Station Pro, AXIS Camera Station 5, and video management software from Axis' partners available at axis.com/vms .	Included accessories Installation Guide, AVHS authentication key, I/O connector, speaker connector, velcro, cable ties
Audio synchronization	Built-in audio synchronization for up to 20 speakers with unicast and hundreds of speakers with multicast. No additional speaker management software or hardware required.	Optional accessories AXIS Device Microphone A For more accessories, see www.axis.com
Intelligent audio	Speaker impedance detection and over current protection	Languages English
Event triggers	Call, virtual inputs, external input, AXIS Camera Application Platform (ACAP)	Warranty 5-year warranty, see axis.com/warranty
Event actions	Play audio clip, send SNMP trap, status LED File upload via HTTP, network share and email	

- a. This product supports two-way audio, audio in and audio out. The product does not support two-way communication for conversations.
b. Audio synchronization with IPv4 only.