

Audio Ceiling Tile Kit – Camera Ready

AXIS C8210 Network Audio Amplifier integrated with camera ready 2x2 ceiling tile speaker

This timesaving, pre-assembled kit includes an AXIS C8210 Network Audio Amplifier integrated with a Quam SYSTEM 17/8DM 2x2 drop-in ceiling tile speaker. Utilizing AXIS C8210, the kit provides network audio via one PoE connection as well as flexibility for live or scheduled announcements, proactive security alerts, background music, advertisements and more. Axis audio management software offers zoning, scheduling and content management. Open standards support easy integration with network video, access control, analytics, and VoIP. This camera-ready version provides a 9-inch mounting for a fixed-dome or panoramic camera, or another device that fits a 1-gang and 4-square mounting hole pattern.

- > Mounting for 1-gang and 4-square box devices
- > Easily add a fixed dome or panoramic network camera
- > AXIS C8210 brings benefits of network audio
- > UL 1480, UL 2043 and UL 62368-1 rated



Contact Axis support for any questions regarding installation or operation. 1-800-444-2947

<https://www.axis.com/support>

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AXIS C8210 Network Audio Amplifier

Audio		General		
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 management, content scheduling and health monitoring. Up to 200 speakers and 20 zones are supported (see separate datasheet for more details). – For larger and more advanced systems we recommend AXIS Audio Manager Pro (see separate datasheet).	Casing IP20-rated Metal casing Color: Black NCS S 9000-N		
Maximum output power	6 W with PoE Class 3, 15 W with PoE Class 4	Environment PVC free		
Supported speaker impedance	4-16 Ω	Memory 512 MB RAM, 512 MB Flash		
Frequency response	20 Hz - 20 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 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.	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		
Audio streaming	One-way/two-way ^a , mono	Storage Support for microSD/microSDHC/microSDXC card Max. size 128 GB For SD card recommendations see www.axis.com		
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	Reliability Designed for 24/7 operation.		
Supported protocols	IPv4/v6 ^c , HTTP, HTTPS ^b , SSL/TLS ^b , QoS 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)	Operating conditions -20 °C to 50 °C (4 °F to 122 °F) Humidity 10-85% RH (non-condensing)		
System integration		Storage conditions -40 °C to 65 °C (-40 °F to 149 °F)		
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.	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	140 x 75 x 29 mm (5 1/2 x 2 15/16 x 1 1/8 in)			
Weight	257 g (0.57 lb)			
Included accessories	Installation Guide, AVHS authentication key, AXIS Camera Station license key, I/O connector, speaker connector, velcro, cable ties			
Optional accessories	AXIS Device Microphone A For more accessories, see www.axis.com			
Management software	AXIS Audio Manager C7050, AXIS Camera Station, video management software from Axis' Application Development Partners available on www.axis.com/support/downloads			
Languages	English			
Warranty	5-year warranty, see axis.com/warranty			
a. This product supports two-way audio, audio in and audio out. The product does not support two-way communication for conversations.				
b. This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit. (www.openssl.org), and cryptographic software written by Eric Young (ejay@cryptsoft.com).				
c. Audio synchronization with IPv4 only.				
Environmental responsibility: axis.com/environmental-responsibility				

Quam 2x2 Tile Speaker Specifications

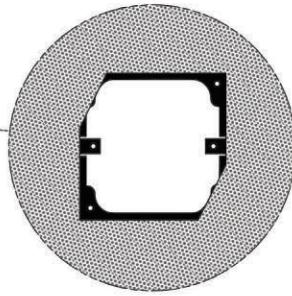
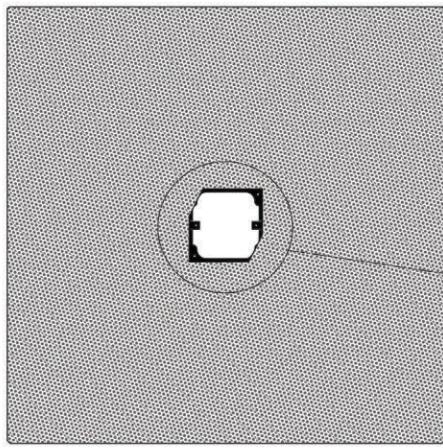
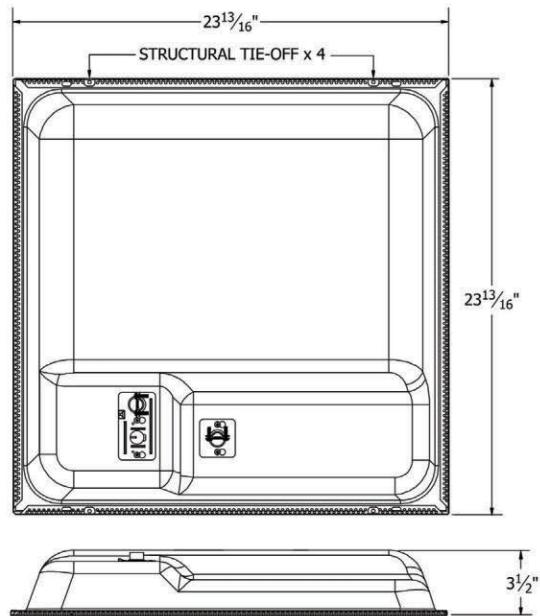
Quam SYSTEM 17/8DM 24" x 24" tile replacement loudspeaker system that can accommodate either a single-gang or 4 square device mount such as a 3rd party strobe, wifi access point, status indicator light or camera. Easy cabling pass through to front device mount location. Components include an 8" O.D. foam edge loudspeaker with a 10 oz. magnet in an 8 Ohm impedance. Integral enclosure is 1,283 CID molded fiber. The grille is perforated steel with four (4) seismic tie-off points in a white powder coat finish.

Application	Intended Use: Program Material: Installation: Maximum Device Load Mount: City of Chicago Approved:	Indoor environment with extra device mount Signal tones, voice, and background music Fits in a 2'x 2' or 2'x 4' wide ceiling tile grid Not to exceed 3 lbs. Material and construction permits use where ceiling plenum is part of the air handling system
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Audio performance	Average Sensitivity: Loudspeaker Power Rating: Maximum Power Rating: Calculated Output: Magnet Type & Weight: Frequency Response: Nominal Coverage Angle: Audio Connection:	95dB SPL, 1W/1M 20W RMS, EIA 426A Standard 20W @ 8 Ohms 102dB SPL, 4W/1M BeFe Ceramic, 10 oz. Nominal 60Hz - 17kHz, EIA 426A Standard 100° Included Angle, -6dB/2kHz, Half Space 3 1/2", Color-coded, Pre-tinned Leads
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Component	Dimension: Weight: Loudspeaker Model: Loudspeaker Specs: Integral Enclosure: Grille: Finish: Device Mount:	H: 3 1/2" (88.9 mm), W: 23 13/16" (604.8 mm), D: 23 13/16" (604.8 mm) 6.35 lbs. 8C10FEPAX 8" O.D. foam edge loudspeaker, 10 oz. magnet, 8 Ohm impedance 1,283 CID molded fiber Standard perforated steel with four (4) seismic tie-off points White powder coat finish Built-in 4 square and single
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Certification	UL Listed 1480 UL Listed 2043	When installed with supplied installation instructions and requirements of NEC /AHJ. (UEAY, UEAY7- Canada) Suitable for use in air-handling spaces
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1-gang and 4 Sq mounting hole pattern