AXIS C8110 Network Audio Bridge
Versatile audio hub

AXIS C8110 Network Audio Bridge is a smart solution based on open standards for connecting and combining analog and digital audio systems. Thanks to the built-in AXIS Audio Manager Edge application you can get functionalities like zone management and content scheduling in existing analog systems. With SIP support it is possible to connect an IP telephony system for callouts in analog speakers. With analog audio input you can easily integrate your intercom system or music streaming box with network speakers from Axis.

> **Combines analog and network audio**

> **I/Os for buttons and relays**

> **PoE for easy installation**

> **Based on open standards**

> **Easy integration with other systems**

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Audio hardware

Frequency response	20 Hz - 20 kHz
Audio input/output	Mic-in, line-in, line-out
Digital signal processing	Built-in and pre-configured

Audio management

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.
AXIS Audio Manager Pro	For larger and more advanced systems. Sold separately. See separate datasheet for specifications.

System on chip (SoC)

Model	i.MX 6SoloX
Memory	256 MB RAM, 512 MB Flash

Network

Security	Password protection, IP address filtering, HTTPS[a] encryption, IEEE 802.1X[a] network access control, Digest authentication, User access log, Centralized Certificate Management
Network protocols	IPv4/v6[b], HTTP, HTTPS[a], SSL/TLS[a], 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)

System integration

Application Programming Interface	Open API for software integration, including VAPIX®, One-click cloud connection, AXIS Camera Application Platform (ACAP).
VoIP	Support for Session Initiation Protocol (SIP) for integration with Voice over IP (VoIP) systems. Peer to peer or integrated with SIP/PBX. Tested with: SIP client such as Cisco, Bria and Grandstream and PBX suppliers such as Cisco and Asterisk. Supported SIP features: secondary SIP server, IPv6, SRTP, SIPS, SIP TLS, DTMF (RFC2976 and RFC2833), NAT (ICE, STUN, TURN) Supported codecs: PCMU, PCMA, opus, L16/16000, L16/8000, speex/8000, speex/16000, G.726-32
Intelligent audio	Auto Speaker Test (verification via built-in microphone)
Event triggers	Virtual inputs, AXIS Camera Application Platform (ACAP) Call: DTMF, State changes
Event actions	Play audio clip, send SNMP trap, send Auto Speaker Test, status LED, File upload via HTTP, network share and email, Notification via email, HTTP, HTTPS and TCP

Built-in installation aids	Test tone verification and identification

General

Casing	Plastic casing, IP40 rated Colors: White Repaintable. For repainting instructions and impact on warranty, contact your Axis partner.
Power	Power over Ethernet (PoE) IEEE 802.3af/802.3at Type 1 Class 3 (max 12.95 W)
Connectors	RJ45 10BASE-T/100BASE-TX PoE
Reliability	Designed for 24/7 operation.
LED indicators	Status LED, front-facing LED
PIR sensor	Passive infrared (PIR) motion sensor. Max range: 6 m (19.7 ft)
Operating conditions	–20 °C to 50 °C (4 °F to 122 °F) Humidity 10–85% RH (condensing)
Storage conditions	-40 °C to 65 °C (-40 °F to 149 °F) Humidity 5–95% RH (non-condensing)
Approvals	EMC EN 55032 Class B, EN 55035, EN 61000-3-2, EN 61000-3-3, EN 61000-6-1, EN 61000-6-2, FCC Part 15 Subpart B Class B, ICES-3(B)/NMB-3(B), RCM AS/NZS CISPR 32 Class B, VCCI Class B Safety IEC/EN/UL 62368–1
Dimensions	Ø182 X 52 mm (7.2 x 2.1 in)
Weight	600 g (1.3 lb)
Included accessories	Installation Guide, AVHS authentication key, AXIS Camera Station license key
Optional accessories	AXIS T91A33 Lighting Track Mount, AXIS T91A23 Tile Grid Ceiling Mount, AXIS TC1601 Universal Mount For more accessories, see *axis.com*
Mounting option	When you mount the device on a soft tile ceiling, use a plate behind the tile for reinforcement.
Video management software	AXIS Companion, AXIS Camera Station, video management software from Axis' Application Development Partners available on *axis.com/techsup/software*
Languages	English, German, French, Spanish, Italian
Warranty	5-year warranty, see *axis.com/warranty*

a. *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 (eay@cryptsoft.com).*
b. *Audio synchronization with IPv4 only.*

Environmental responsibility:

axis.com/environmental-responsibility

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