

AXIS C1110-E Network Cabinet Speaker

Flexible speaker with great sound

Bringing together performance and design, this stylish network cabinet speaker offers digital signal processing for clear voice messages, and rich bass sound ensures great background music. It's built on an open platform, supporting integration with VMS, VoIP telephony, analytics, and more. The built-in microphone enables remote health testing and 2-way communication with echo cancellation. AXIS Audio Manager Edge software comes preinstalled for easy management of users, content, zones, and scheduling. This all-in-one speaker system connects to the standard network using a single cable for power (PoE) and connectivity, and the easy-click mounting bracket supports installations on walls, ceilings, and poles.

- > **Stylish, flexible all-in-one speaker**
- > **Connects to the standard network**
- > **Easy installation with PoE**
- > **2-way audio with echo cancellation**
- > **Remote health testing**



AXIS C1110-E Network Cabinet Speaker

Audio hardware

Enclosure

Two-way bass-reflex type

Speaker components: 4-inch dynamic cone speaker, 1.25-inch dome tweeter

Max sound pressure level

96 dB

Frequency response

60 Hz – 20 kHz

Coverage pattern

Horizontal speaker coverage 140°

Vertical speaker coverage 90°

Input/output

Built-in microphone (can be disabled)

External microphone, line in

Built-in microphone specification

50 Hz – 12 kHz

Amplifier description

Built-in 7 W Class D amplifier

Digital signal processing

Built-in and pre-configured

Audio management

AXIS Audio Manager Edge

Built in:

- Zone management allowing you to divide up to 200 speakers into 20 zones.
- Content management for music and live/pre-recorded announcements.
- Scheduling to decide when and where to play content.
- Content prioritization to ensure urgent messages interrupt the schedule.
- Health monitoring for remote discovery of system errors.
- User management to control who has access to what features.

For more details, see the datasheet on axis.com/products/axis-audio-manager-edge/support

AXIS Audio Manager Pro

For larger and more advanced systems. Sold separately. See separate datasheet for specifications.

For specifications, see the datasheet on axis.com/products/axis-audio-manager-pro/support

AXIS Audio Manager Center

AXIS Audio Manager Center is a cloud service for remote access and management of multi-site systems.

For specifications, see the datasheet on axis.com/products/axis-audio-manager-center/support

Audio software

Streaming

One-way/two-way with optional full-duplex echo cancellation. Mono.

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.

Opus 8/16/48 kHz

System integration

Application Programming Interface

Open API for software integration, including VAPIX®, One-click cloud connection, AXIS Camera Application Platform (ACAP).

Video management software

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.

Mass notification

Singlewire InformaCast®, Intrado Revolution, Lynx, Alertus

Unified communication

Verified compatibility:

SIP clients: 2N, Yealink, Cisco, Linphone, Grandstream

PBX/SIP servers: Cisco Call Manager, Cisco BroadWorks, Avaya, Asterix, Grandstream

Cloud service providers: Webex, Zoom

SIP

Supported SIP features: Secondary SIP server, IPv6, SRTP, SIPS, SIP TLS, DTMF (RFC2976 and RFC2833), NAT (ICE, STUN, TURN)
RFC 3261: INVITE, CANCEL, BYE, REGISTER, OPTIONS, INFO
DTMF (RFC 4733/RFC 2833)

Event conditions

Audio: audio clip playing, speaker test result
Call: state, state change
Device status: IP address blocked, IP address removed, live stream active, network lost, new IP address, ring power overcurrent protection, system ready
Digital audio input status
Edge storage: recording ongoing, storage disruption, storage health issues detected
I/O: digital input is active, manual trigger, virtual input is active
MQTT: stateless
Scheduled and recurring: schedule

Event actions

Audio: run automatic speaker test
Audio clips: play, play while the rule is active, stop playing
I/O: toggle I/O once, toggle I/O while the rule is active
LEDs: flash status LED, flash status LED while the rule is active
Light and siren: run light profile, run light profile while the rule is active, stop activities
MQTT: send MQTT publish message
Notifications: HTTP, HTTPS, TCP and email
Recordings: record audio, record audio while the rule is active
Security: erase configuration
SNMP traps: send message, send message while the rule is active

Built-in installation aids

Test tone verification and identification

Functional monitoring

Auto Speaker Test (verification via built-in microphone)

Analytics

Applications

Included

AXIS Audio Analytics

Supported

Support for AXIS Camera Application Platform enabling installation of third-party applications, see axis.com/acap

AXIS Audio Analytics

Features: adaptive audio detection, audio classification

Audio classes: scream, shout, glass break, speech

Event metadata: audio detections, classifications

Approvals

EMC

CISPR 24, CISPR 35, CISPR 32 Class B, EN 55024,

EN 55035, EN 55032 Class B, EN 61000-6-1,

EN 61000-6-2, EN 61000-6-3, EN 61000-6-4

Australia/New Zealand: RCM AS/NZS CISPR 32 Class B

Canada: ICES-3(B)/NMB-3(B)

Japan: VCCI Class B

Korea: KS C 9835, KS C 9832 Class B

USA: FCC Part 15 Subpart B Class B

Safety

CAN/CSA C22.2 No. 62368-1,

CAN/CSA-C22.2 No. 60950-22, IEC/EN/UL 62368-1,

IEC/EN/UL 60950-22, KC-Mark

Environment

IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-6,

IEC 60068-2-14, IEC 60068-2-27, IEC 60068-2-78,

IEC/EN 60529 IP44¹, Nema 250 3R

Cybersecurity

ETSI EN 303 645, BSI IT Security Label, FIPS-140

Network

Network protocols

IPv4/v6², HTTP, HTTPS³, SSL/TLS³, QoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, Bonjour, UPnP™, SNMP v1/v2c/v3 (MIB-II), DNS, DynDNS, NTP, PTP, RTSP, RTP, TCP, UDP, IGMPv1/v2/v3, RTCP, ICMP, DHCP, ARP, SOCKS, SSH, NTCIP, SIP

1. If installed according to the installation guide.

2. Audio synchronization with IPv4 only.

3. This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit. (openssl.org), and cryptographic software written by Eric Young (ey@cryptsoft.com).

Cybersecurity

Edge security

Software: Signed OS, brute force delay protection, digest authentication and OAuth 2.0 RFC6749 Client Credential Flow/OpenID Authorization Code Flow for centralized ADFS account management, password protection, Axis Cryptographic Module (FIPS 140-2 level 1), AES-XTS-Plain64 256bit SD card encryption
Hardware: Axis Edge Vault cybersecurity platform Secure element (CC EAL 6+), Axis device ID, secure keystore, secure boot

Network security

IEEE 802.1X (EAP-TLS, PEAP-MSCHAPv2)⁴, IEEE 802.1AR, HTTPS/HSTS⁴, TLS v1.2/v1.3⁴, Network Time Security (NTS), X.509 Certificate PKI, host-based firewall

Documentation

AXIS OS Hardening Guide
Axis Vulnerability Management Policy
Axis Security Development Model
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

System on chip (SoC)

Model

NXP i.MX 8M Nano

Memory

1024 MB RAM, 1024 MB Flash

General

Casing

Aluminium casing, IP44 rated
Colors: white, black
For repainting instructions, go to axis.com/products/axis-c1110-e/support
For information about the impact on warranty, go to axis.com/warranty-implication-when-repainting.

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 I/O: 4-pin 2.5 mm terminal block for 2x supervised configurable I/Os

LED indicators

Status LED, configurable front-facing RGB LED

Storage

Support for microSD/microSDHC/microSDXC card
Max. size 1 TB
For SD card recommendations see www.axis.com

Reliability

Designed for 24/7 operation.

Operating conditions

-30 °C to 50 °C (-22 °F to 122 °F)
Humidity 10–100% RH (condensing)

Storage conditions

-40 °C to 65 °C (-40 °F to 149 °F)
Humidity 5–95% RH (non-condensing)

Dimensions

Height: 207 mm (8.15 in)
Width: 310 mm (12.2 in)
Length: 165 mm (6.50 in)

Weight

4100 g (9.04 lbs)

Box content

Speaker, installation guide, terminal block connector, connector guard, cable gaskets, owner authentication key

Optional accessories

AXIS C8310 Volume Controller, AXIS Surveillance Cards
For more accessories, see axis.com

Languages

English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Polish, Traditional Chinese, Dutch, Czech, Swedish, Finnish, Turkish, Thai, Vietnamese

Warranty

5-year warranty, see axis.com/warranty

Part numbers

Available at axis.com/products/axis-c1110-e#part-numbers

4. This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit. (openssl.org), and cryptographic software written by Eric Young (ey@cryptsoft.com).

Tools

Design

AXIS Site Designer
Available at axis.com

Installation

AXIS Device Manager, product selector, accessory selector
Available at axis.com

Sustainability

Substance control

PVC free, BFR/CFR free in accordance with JEDEC/ECA Standard JS709
RoHS in accordance with EU RoHS Directive 2011/65/EU/ and EN 63000:2018
REACH in accordance with (EC) No 1907/2006. For SCIP UUID, see echa.europa.eu

Materials

Renewable carbon-based plastic content: 51%
(recycled: 0%, bio-based: 51%, carbon capture based: 0%)
Screened for conflict minerals in accordance with OECD guidelines
To read more about sustainability at Axis, go to axis.com/about-axis/sustainability

Environmental responsibility

axis.com/environmental-responsibility
Axis Communications is a signatory of the UN Global Compact, read more at unglobalcompact.org

