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**

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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°

Audio 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

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

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.
Opus

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)

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 IP44[1], Nema 250 3R

Cybersecurity

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

Network

Network protocols

IPv4/v6[2], HTTP, HTTPS[3], SSL/TLS[3], 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

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

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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 (eay@cryptsoft.com).*

Network security

IEEE 802.1X (EAP-TLS, PEAP-MSCHAPv2)[4], IEEE 802.1AR, HTTPS/HSTS[4], TLS v1.2/v1.3[4], 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*

Tools

Design
AXIS Site Designer
Available at *axis.com*

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

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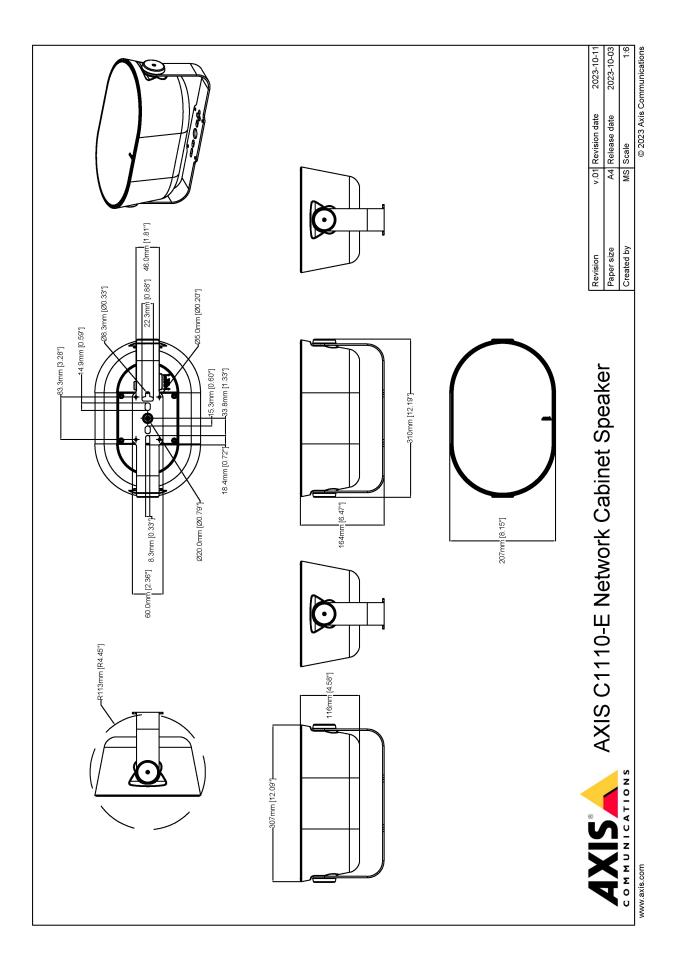
Materials
Renewable carbon-based plastic content: 51% (recycled: 0%, bio-based: 51%, carbon capture based: 0%)
Screened for conflict minerals in accordance with OECD guidelines
To read more about sustainability at Axis, go to *axis.com/about-axis/sustainability*

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

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Revision		v.01	Revision date	2023-10-11
Paper size		A4	Release date	2023-10-03
Created by		MS	Scale	1:6

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46.0mm [1.81"]
22.3mm [0.88"]
Ø8.3mm [Ø0.33"]
14.9mm [0.59"]
Ø25.0mm [Ø0.20"]
83.3mm [3.28"]
15.3mm [0.60"]
33.8mm [1.33"]
18.4mm [0.72"]
Ø20.0mm [Ø0.79"]
60.0mm [2.36"]
8.3mm [0.33"]
R113mm [R4.45"]

310mm [12.19"]
164mm [6.47"]
207mm [8.15"]
116mm [4.58"]
307mm [12.09"]

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