

# AXIS C1310-E Mk II Network Horn Speaker

Outdoor speaker for clear long-range speech

AXIS C1310-E Mk II Network Horn Speaker is perfect for outdoor environments in most climates. It allows users to remotely prevent unwanted activities, to deliver instructions during an emergency or to make general voice messages. Built-in memory supports pre-recorded messages, or security personal can respond to notifications with live speak. Open standards support easy integration with network video, access control, analytics, and VoIP (supporting SIP). Digital signal processing (DSP) ensures clear sound. The built-in microphone enables remote health testing and 2-way communication. Furthermore, the embedded audio management software supports user, content, zone, and scheduling management.

- > **All-in-one speaker system**
- > **Connects to standard network**
- > **Simple installation with PoE**
- > **Remote health testing**
- > **Scalable and easy to integrate**



# AXIS C1310-E Mk II Network Horn Speaker

## Audio hardware

### Enclosure

Re-entrant horn loudspeaker with compression driver

### Max sound pressure level

>121 dB

### Frequency response

280 Hz – 12.5 kHz

### Coverage pattern

70° horizontal by 100° vertical (at 2 kHz)

### Input/output

Built-in microphone (can be disabled mechanically)  
Built-in speaker

### 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](https://axis.com/products/axis-audio-manager-edge/support)

### AXIS Audio Manager Pro

For larger and more advanced systems. Sold separately. For specifications, see the datasheet on [axis.com/products/axis-audio-manager-pro/support](https://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](https://axis.com/products/axis-audio-manager-center/support)

## Audio software

### Streaming

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

### Encoding

AAC LC 8/16/32/48 kHz, G.711 PCM 8 kHz, G.726 ADPCM 8 kHz, Axis  $\mu$ -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.

## System integration

### Application Programming Interface

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

### Video management systems

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](https://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/removed, live stream active, network lost, new IP address, system ready  
**Edge storage:** recording ongoing, storage disruption, storage health issues detected  
**I/O:** digital input, manual trigger, virtual input  
**MQTT:** subscribe  
**Scheduled and recurring:** schedule

## Event actions

**Audio:** run automatic speaker test  
**Audio clips:** play, stop  
**I/O:** toggle I/O  
**Light and siren:** run, stop  
**MQTT:** publish  
**Notification:** HTTP, HTTPS, TCP and email  
**Recordings:** record audio  
**SNMP trap messages:** send message  
**Status LED:** flash

## 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](https://axis.com/acap)

### AXIS Audio Analytics

**Features:** adaptive audio detection

**Audio classes:** scream, shout, glass break, speech

**Event metadata:** audio detections, classifications

## Approvals

### Product markings

CSA, UL/cUL, UKCA, CE, KC, EAC, VCCI, RCM, BSMI

### Supply chain

TAA compliant

### EMC

EN 55035, EN 55032 Class B, EN 50121-4, EN 61000-6-1, EN 61000-6-2  
**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  
**Railway:** IEC 62236-4

### Safety

CAN/CSA C22.2 No. 62368-1 ed. 3,  
IEC/EN/UL 62368-1 ed. 3

### 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 IP66, NEMA 250 Type 4X, MIL-STD-810G 509.5, MIL-STD-810H 509.7

### Cybersecurity

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

## Network

### Network protocols

IPv4/v6<sup>1</sup>, HTTP, HTTPS<sup>2</sup>, SSL/TLS<sup>2</sup>, 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

## Cybersecurity

### Edge security

**Software:** Signed OS, brute force delay protection, digest authentication, password protection, Axis Cryptographic Module (FIPS 140-2 level 1)

**Hardware:** Axis Edge Vault cybersecurity platform Secure element (CC EAL 6+), Axis device ID, secure keystore, secure boot

1. Audio synchronization with IPv4 only.

2. This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit. ([openssl.org](https://openssl.org)), and cryptographic software written by Eric Young ([ey@cryptsoft.com](mailto:ey@cryptsoft.com)).

## Network security

IEEE 802.1X (EAP-TLS)<sup>3</sup>,  
IEEE 802.1AE (MACsec PSK/EAP-TLS), IEEE 802.1AR,  
HTTPS/HSTS<sup>3</sup>, TLS v1.2/v1.3<sup>3</sup>, 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](https://axis.com/support/cybersecurity/resources)

To read more about Axis cybersecurity support, go to [axis.com/cybersecurity](https://axis.com/cybersecurity)

## System on chip (SoC)

### Model

NXP i.MX 8M Nano

### Memory

1024 MB RAM, 1024 MB Flash

## General

### Casing

IP66- and NEMA 4X-rated

Aluminum back can and stainless steel bracket

Color: white RAL 9010

### Power

Power over Ethernet (PoE) IEEE 802.3af/802.3at Type 1  
Class 3

Typical 2 W, max 12.95 W

### Connectors

Network: 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, front-facing LED

### Reliability

Designed for 24/7 operation.

### Operating conditions

Temperature: -40 °C to 60 °C (-40 °F to 140 °F)

Humidity: 10–100% RH (condensing)

## Storage conditions

Temperature: -40 °C to 65 °C (-40 °F to 149 °F)

Humidity: 5–95% RH (non-condensing)

## Dimensions

For the overall product dimensions, see the dimension drawing in this datasheet.

## Weight

1.3 kg (2.9 lb.)

## Box content

Horn speaker, installation guide, terminal block connector, connector guard, cable gasket, ring terminal, owner authentication key

## Optional accessories

AXIS T91B47 Pole Mount, AXIS T91F67 Pole Mount, Cable Gland M20x1.5, RJ45, Cable Gland A M20, AXIS Power over Ethernet Midspans, T94R01B Corner Bracket, T94P01B Corner Bracket, T94S01P Conduit Back Box

For more accessories, go to [axis.com/products/axis-c1310-e-mk-ii#accessories](https://axis.com/products/axis-c1310-e-mk-ii#accessories)

## 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](https://axis.com/warranty)

## Part numbers

Available at [axis.com/products/axis-c1310-e-mk-ii#part-numbers](https://axis.com/products/axis-c1310-e-mk-ii#part-numbers)

## Sustainability

### Substance control

PVC 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](https://echa.europa.eu)

### Materials

Screened for conflict minerals in accordance with OECD guidelines

To read more about sustainability at Axis, go to [axis.com/about-axis/sustainability](https://axis.com/about-axis/sustainability)

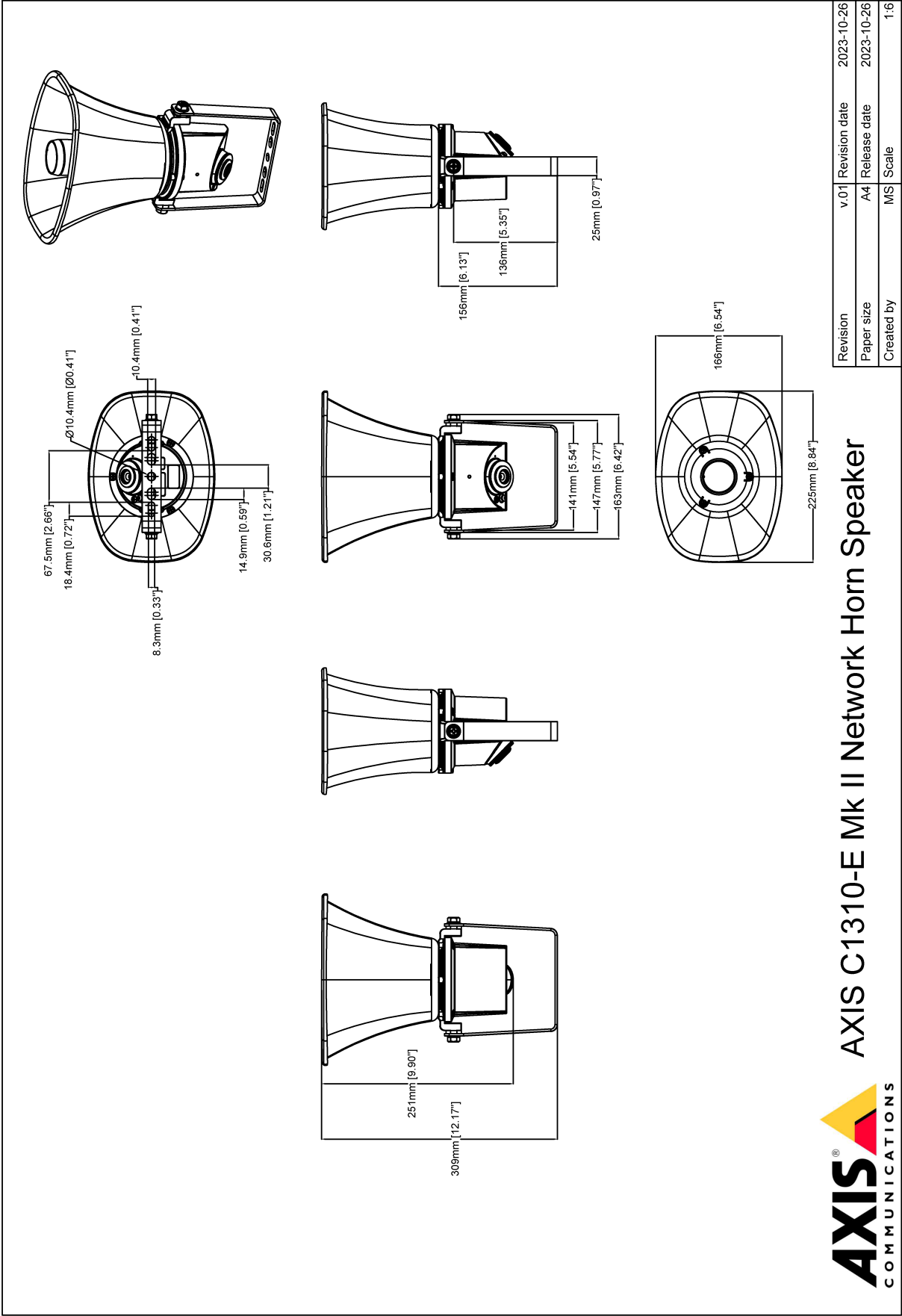
3. This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit. ([openssl.org](https://openssl.org)), and cryptographic software written by Eric Young ([ey@cryptsoft.com](mailto:ey@cryptsoft.com)).

**Environmental responsibility**

*[axis.com/environmental-responsibility](https://axis.com/environmental-responsibility)*

Axis Communications is a signatory of the UN Global Compact, read more at *[unglobalcompact.org](https://unglobalcompact.org)*

Dimension drawing



## Highlighted capabilities

### Axis Edge Vault

Axis Edge Vault is the hardware-based cybersecurity platform that safeguards the Axis device. It forms the foundation that all secure operations depend on and offer features to protect the device's identity, safeguard its integrity and protect sensitive information from unauthorized access. For instance, **secure boot** ensures that a device can boot only with **signed OS**, which prevents physical supply chain tampering. With signed OS, the device is also able to validate new device software before accepting to install it. And the **secure keystore** is the critical building-block for protecting cryptographic information used for secure communication (IEEE 802.1X, HTTPS, Axis device ID, access control keys etc.) against malicious extraction in the event of a security breach. The secure keystore and secure connections are provided through a Common Criteria or FIPS 140 certified hardware-based cryptographic computing module.

To read more about Axis Edge Vault, go to [axis.com/solutions/edge-vault](https://axis.com/solutions/edge-vault).

For more information, see [axis.com/glossary](https://axis.com/glossary)