AXIS C1410 Mk II Network Mini Speaker

Speaker with wide-area coverage for voice messages

AXIS C1410 Mk II Network Mini Speaker is a discreet and affordable speaker that fits into smaller spaces and provides wide area audio coverage. It allows users to remotely warn off intruders before they commit a crime, to deliver instructions during an emergency or to make general announcements. Built-in memory supports pre-recorded messages, or personnel can respond to notifications with live speak. Digital signal processing (DSP) ensures clear sound. Open standards support easy integration with network video, access control, analytics, and VoIP. It also has a built-in PIR sensor for motion detection. AXIS C1410 Mk II is a standalone unit that can be placed almost anywhere, which supports a flexible, scalable and cost-effective approach to system design.

- > All-in-one speaker system
- > Connects to standard network
- > Simple installation with PoE
- > Remote health testing
- > PIR sensor for motion detection

AXIS C1410 Mk II Network Mini Speaker

Audio hardware

Enclosure
Sealed enclosure with 2.5 inches broadband dynamic cone speaker

Max sound pressure level
90 dB

Frequency response
100 Hz - 20 kHz

Coverage pattern
145° coaxial

Input/output
Built-in microphone (can be disabled)

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. 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
Two-way (full duplex)

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.

System integration

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

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*.

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, new IP address, network lost, system ready, live stream active, PIR sensor
Edge storage: recording ongoing, storage disruption, storage health issues detected
I/O: manual trigger, virtual input
MQTT: stateless
Scheduled and recurring: schedule

Event actions
Audio: run automatic speaker test
Audio clips: play, stop
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: publish
Notification: HTTP, HTTPS, TCP and email
Recordings: record audio, record audio while the rule is active
Security: erase configuration
SNMP traps: send, send 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

Product markings
CSA, UL/cUL, UKCA, CE, KC, VCCI, RCM, BSMI

Supply chain
TAA compliant

EMC
EN 55035, EN 55032 Class B, EN 61000-3-2, EN 61000-3-3, 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

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

Environment
IEC/EN 60529 IP4X

Cybersecurity
FIPS-140

Network

Network protocols
IPv4/v6[1], HTTP, HTTPS[2], SSL/TLS[2], 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), encrypted file system
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), and cryptographic software written by Eric Young (eay@cryptsoft.com).*

Network security
IEEE 802.1X (EAP-TLS, PEAP-MSCHAPv2)[3],
IEEE 802.1AE (MACsec PSK/EAP-TLS), IEEE 802.1AR,
HTTPS/HSTS[3], TLS v1.2/v1.3[3], 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
Plastic casing, IP40 rated
Colors: White
Repaintable. For repainting instructions and impact on warranty, contact your Axis partner.

Mounting option
When you mount the device on a soft tile ceiling, use a plate behind the tile for reinforcement.

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

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)

Dimensions
For the overall product dimensions, see the dimension drawing in this datasheet.
Ø182 X 52 mm (7.2 x 2.1 in)

Weight
600 g (1.3 lb)

Box content
Speaker, installation guide, Owner Authentication Key

Optional accessories
AXIS T91A33 Lighting Track Mount,
AXIS T91A23 Tile Grid Ceiling Mount,
AXIS TC1601 Universal Mount
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-c1410-mk-ii#part-numbers*

Tools

Design
AXIS Site Designer
Available at *axis.com*

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

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).*

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 axis.com/partner.

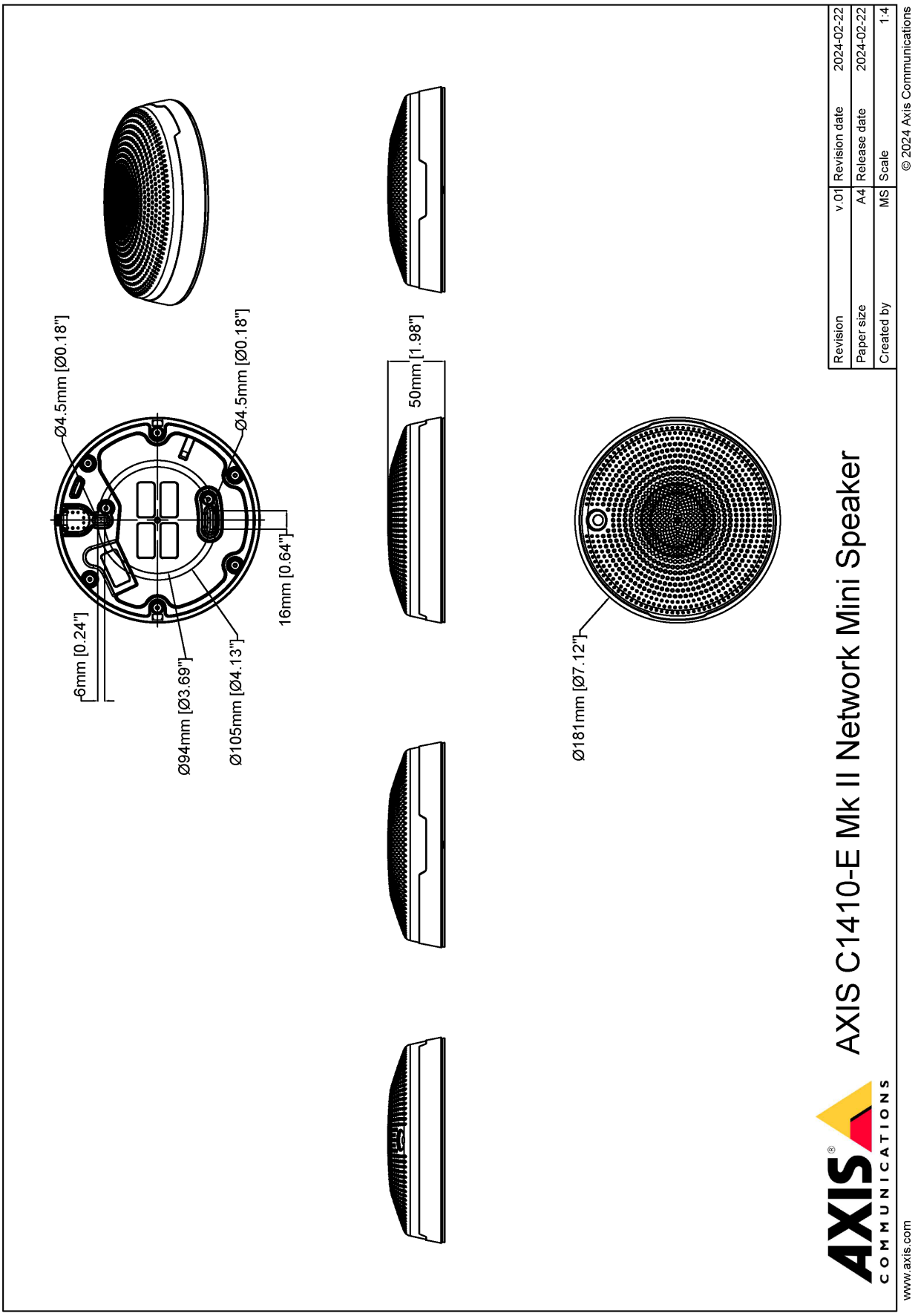
Materials

Renewable carbon-based plastic content: Up to 76% (recycled)
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*

Dimension drawing



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