AXIS
C O M M U N I C A T I O N S

AXIS C1410 Network Mini Speaker

Speaker with wide-area coverage for voice messages

AXIS C1410 Network Mini Speaker is a discrete 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. AXIS C1410 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

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Audio hardware

Enclosure	One way 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
Audio 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: – 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.
AXIS Audio Manager Center	AXIS Audio Manager Center is a cloud service for remote access and management of multi-site systems.

Audio software

Audio streaming	One-way/two-way with optional half-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.

System on chip (SoC)

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

Network

Network protocols	IPv4/v6[a], HTTP, HTTPS, SSL/TLS, 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

Cybersecurity

Edge security	**Software:** Signed firmware, brute force delay protection, digest authentication and OAuth 2.0 RFC6749 OpenID Authorization Code Flow for centralized ADFS account management, password protection
Network security	IEEE 802.1X (EAP-TLS, PEAP-MSCHAPv2), HTTPS/HSTS, TLS v1.2/v1.3, 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*

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
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. *Audio synchronization with IPv4 only.*

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COMMUNICATIONS