AXIS C1511 Network Pendant Speaker
For installation in high ceilings – small

This all-in-one speaker system makes audio announcements smart and easy. For instance, it can be used to make general live or prerecorded voice messages, remotely and proactively warn off intruders, and deliver instructions. It offers easy integration with your video management software (VMS), VoIP telephony, analytics, and more. Including a preconfigured digital signal processer (DSP) it produces clear voice every time. It also features a built-in microphone enabling remote health testing. This visually attractive pendant speaker is ideal for mounting in high ceilings. Furthermore, the embedded audio management software supports user, content, zone, and scheduling management.

> **All-in-one speaker system**

> **Connects to standard network**

> **Easy installation with just one network cable (PoE)**

> **Scalable and easy to integrate**

> **Remote health testing**

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Audio hardware

Enclosure	One way enclosure with 4 inches broadband dynamic cone speaker
Max sound pressure level	93 dB
Frequency response	70 Hz - 16 kHz
Coverage pattern	130° coaxial
Audio input/output	Built-in microphone (can be disabled) External microphone, line in
Built-in microphone specification	50 Hz - 20 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

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 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*.
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 Edge storage: recording ongoing, storage disruption, storage health issues detected I/O: digital input, manual trigger, virtual input

Event actions

MQTT: stateless
Scheduled and recurring: schedule

Event actions	Audio clips: play, stop, 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: 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)

Approvals

EMC	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:** CISPR 24, CISPR 35, CISPR 32 Class B, RCM AS/NZS CISPR 32 Class B **Canada:** ICES-3(B)/NMB-3(B) **Japan:** VCCI Class B **Korea:** KC KN35, KC KN32 Class B **USA:** FCC Part 15 Subpart B Class B
Safety	CAN/CSA C22.2 No. 62368-1, IEC/EN 62368-1, KC-Mark, UL 62368-1
Environment	IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-6, IEC 60068-2-14, EC 60068-2-27, IEC/EN 60529 IP4X
Cybersecurity	ETSI EN 303 645, BSI IT Security Label

Network

Network protocols	IPv4/v6[a], HTTP, HTTPS[b], SSL/TLS[c], 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, Secure syslog (RFC 3164/5424, UDP/TCP/TLS), NTCIP, SIP

Cybersecurity

Edge security	**Software:** Signed OS, brute force delay protection, digest authentication and OAuth 2.0 RFC6749 OpenID Authorization Code Flow for centralized ADFS account management, password protection, 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)[d], IEEE 802.1AR, HTTPS/HSTS[e], TLS v1.2/v1.3[f], 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 6SoloX
Memory	512 MB RAM, 512 MB Flash

General

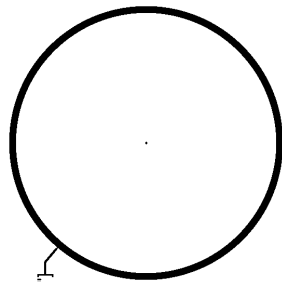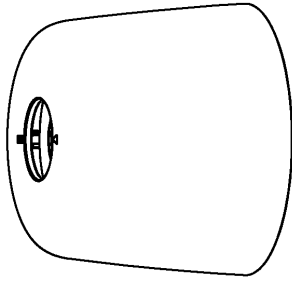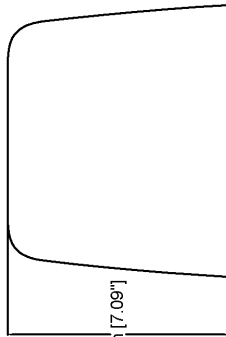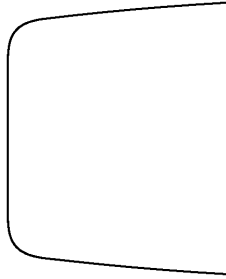|	
Casing	IP40 Baffle: plastic Mesh: surface-treated steel plate Mesh color: white NCS S 1002-B Top cover: plastic Repaintable. For repainting instructions and impact on warranty, contact your Axis partner. Speaker mounting method: hook
Power	Power over Ethernet (PoE), IEEE 802.3af/802.3af, Type 1 Class 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, front-facing 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	Temperature: -30 °C to 50 °C (-22 °F to 122 °F) Humidity: 10–85% RH (condensing)
Storage conditions	Temperature: -40 °C to 65 °C (-40 °F to 149 °F) Humidity: 5–95 % RH (non-condensing)
Dimensions	Height: 150 mm (5.9 in), Ø 220 mm (8.7 in)
Weight	2650 g (5.8 lbs)
Box content	Speaker, installation guide, Owner Authentication Key, mesh cover, top cover, connector guard
Optional accessories	AXIS TC1901 Wire Kit, AXIS Safety Wire 3M For 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-c1511-e#part-numbers*

Tools

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

Sustainability

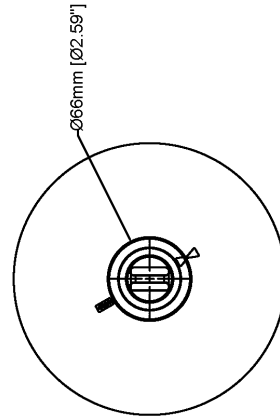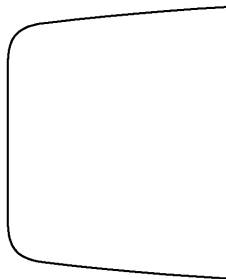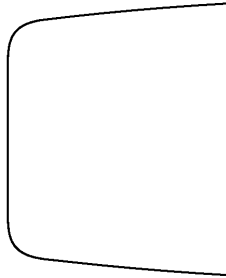|	
Substance control	PVC free in accordance with JEDEC/ECA Standard JS709 RoHS in accordance with EU RoHS Directive 2011/65/EU/ and EN 63000:2018 REACH in accordance with (EC) No 1907/2006. For SCIP UUID, see axis.com/partner.
Materials	Renewable carbon-based plastic content: 28% (recycled: 0%, bio-based: 28%, 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*

a. *Audio synchronization with IPv4 only.*
b. *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).*
c. *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).*
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Ø222mm [Ø8.72"]

180mm [7.09"]

Ø66mm [Ø2.59"]

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Revision	v.01	Revision date	2021-09-06
Paper size	A4	Release date	2021-09-06
Created by	MF	Scale	1:5

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