

# 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 processor (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**



# AXIS C1511 Network Pendant Speaker

## 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](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

### 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  $\mu$ -law 16 kHz, WAV, Opus 8/16/48 kHz

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](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)**

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## 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  
MQTT: stateless  
Scheduled and recurring: schedule

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## 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

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## Built-in installation aids

Test tone verification and identification

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## Functional monitoring

Auto Speaker Test (verification via built-in microphone)

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## 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

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## Safety

CAN/CSA C22.2 No. 62368-1, IEC/EN 62368-1, KC-Mark, UL 62368-1

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## 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

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## Cybersecurity

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

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## 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, 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 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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### Network security

IEEE 802.1X (EAP-TLS, PEAP-MSCHAPv2)<sup>2</sup>, IEEE 802.1AR, HTTPS/HSTS<sup>2</sup>, TLS v1.2/v1.3<sup>2</sup>, Network Time Security (NTS), X.509 Certificate PKI, host-based firewall

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## 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)

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).

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

### Part numbers

Available at [axis.com/products/axis-c1511-e#part-numbers](http://axis.com/products/axis-c1511-e#part-numbers)

## Tools

### Design

AXIS Site Designer

Available at [axis.com](http://axis.com)

### Installation

AXIS Device Manager, product selector, accessory selector

Available at [axis.com](http://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](http://axis.com/partner).

### Materials

Renewable carbon-based plastic content: 28%  
(recycled: 0%, bio-based: 28%, carbon capture based: 0%)

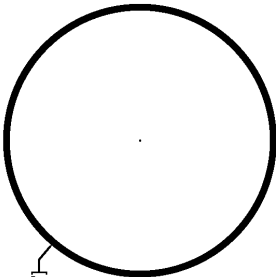
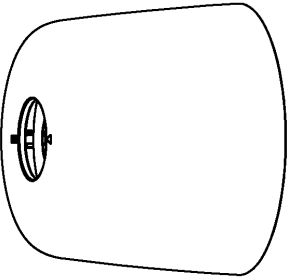
Screened for conflict minerals in accordance with OECD guidelines

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

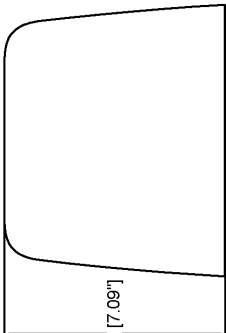
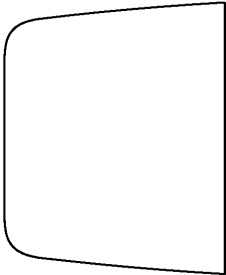
**Environmental responsibility**

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

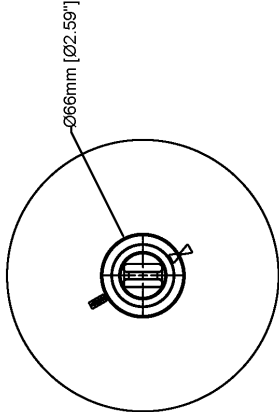
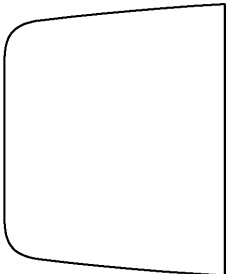
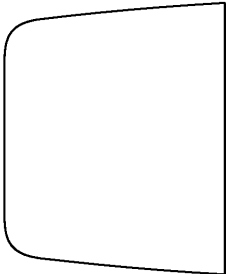
Axis Communications is a signatory of the UN Global Compact, read more at *[unglobalcompact.org](https://unglobalcompact.org)*



Ø222mm [Ø8.72"]



180mm [7.09"]



Ø66mm [Ø2.59"]



AXIS C1511 Network Pendant Speaker

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