

# AXIS C1310-E Network Horn Speaker

Outdoor speaker for clear long-range speech

AXIS C1310-E Network Horn Speaker is perfect for outdoor environments in most climates. It allows users to remotely warn off intruders before they commit a crime, 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. Digital signal processing (DSP) ensures clear sound. Open standards support easy integration with network video, access control, analytics, and VoIP (supporting SIP). AXIS C1310-E 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**
- > **Two input/outputs (GPIO)**



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<b>Audio hardware</b>		<b>Intelligent audio</b>	Auto Speaker Test
<b>Enclosure</b>	One way enclosure with 2.5 inches broadband dynamic cone speaker	<b>Event triggers</b>	Virtual inputs, External input Call: DTMF, State changes, AXIS Camera Application Platform (ACAP)
<b>Max sound pressure level</b>	>121 dB	<b>Event actions</b>	File upload: HTTP, network share and email Notification: email, HTTP and TCP Play audio clip Perform Auto Speaker Test Send SNMP trap Status LED
<b>Frequency response</b>	280 Hz - 12.5 kHz	<b>Built-in installation aids</b>	Test tone verification and identification
<b>Coverage pattern</b>	70° horizontal by 100° vertical (at 2 kHz)	<b>Functional monitoring</b>	Auto Speaker Test, Connection verification, Built-in system logging
<b>Audio input/output</b>	Built-in microphone (can be disabled mechanically)	<b>Cybersecurity</b>	
<b>Built-in microphone specification</b>	50 Hz - 12 kHz	<b>Edge security</b>	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
<b>Digital signal processing</b>	Built-in and pre-configured	<b>Network security</b>	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
<b>Amplifier description</b>	Built-in 7 W Class D amplifier	<b>Documentation</b>	<i>AXIS OS Hardening Guide</i> <i>Axis Vulnerability Management Policy</i> <i>Axis Security Development Model</i> AXIS OS Software Bill of Material (SBOM) To download documents, go to <a href="https://axis.com/support/cybersecurity/resources">axis.com/support/cybersecurity/resources</a> To read more about Axis cybersecurity support, go to <a href="https://axis.com/cybersecurity">axis.com/cybersecurity</a>
<b>Audio management</b>		<b>General</b>	
<b>AXIS Audio Manager Edge</b>	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.	<b>Casing</b>	Impact-resistant aluminum, IP66-, IP67-, NEMA 4X-rated, and MIL-STD-810G 509.5-rated.
<b>AXIS Audio Manager Pro</b>	For larger and more advanced systems. Sold separately. See separate datasheet for specifications.	<b>Power</b>	Power over Ethernet (PoE) IEEE 802.3af/802.3at Type 1 Class 3 (max. 12.95 W)
<b>AXIS Audio Manager Center</b>	AXIS Audio Manager Center is a cloud service for remote access and management of multi-site systems.	<b>Connectors</b>	RJ45 10BASE-T/100BASE-TX PoE I/O: 4-pin 2.5 mm terminal block for one input and one output
<b>Audio software</b>		<b>Reliability</b>	Designed for 24/7 operation.
<b>Audio streaming</b>	One-way/two-way with optional half-duplex echo cancellation. Mono.	<b>Operating conditions</b>	-40 °C to 60 °C (-40 °F to 140 °F) Humidity 5-95% RH (condensing)
<b>Audio encoding</b>	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.	<b>Storage conditions</b>	-40 °C to 65 °C (-40 °F to 149 °F) Humidity 10-100% RH (condensing)
<b>System on chip (SoC)</b>		<b>Approvals</b>	EMC EN 55032 Class B, EN 50121-4, IEC 62236-4, EN 55024, EN 61000-6-1, EN 61000-6-2, FCC Part 15 Subpart B Class B, ICES-3(B)/NMB-3(B), VCCI Class B, RCM AS/NZS CISPR 32 Class B, KC KN32 Class B, KC KN35 Safety CAN/CSA C22.2 No. 62368-1, IEC/EN/UL 60950-22 Environment IEC/EN 60529 IP67, IEC 60068-2-1, IEC 60068-2-2, 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
<b>Model</b>	i.MX 6ULL	<b>Dimensions</b>	Ø182 X 52 mm (7.2 x 2.1 in)
<b>Memory</b>	256 MB RAM, 512 MB Flash	<b>Weight</b>	1.3 kg (2.9 lb.)
<b>Network</b>		<b>Included accessories</b>	Installation Guide, AVHS Authentication Key, AXIS Connector Guard A, Cable shoe
<b>Network protocols</b>	IPv4/v6, HTTP, HTTPS, SIP, SSL/TLS, QoS Layer 3 DiffServ, FTP, CIFS/SMB, SMTP, Bonjour, UPnP™, SNMP v1/v2c/v3 (MIB-II), DNS, DynDNS, NTP, TCP, UDP, IGMPv1/v2/v3, ICMP, DHCP, ARP, SOCKS, SSH	<b>Optional accessories</b>	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, see <a href="https://axis.com">axis.com</a>
<b>System integration</b>		<b>Languages</b>	English, German, French, Spanish, Italian
<b>Application Programming Interface</b>	Open API for software integration, including VAPIX®, One-click cloud connection, AXIS Camera Application Platform (ACAP).	<b>Warranty</b>	5-year warranty, see <a href="https://axis.com/warranty">axis.com/warranty</a>
<b>Video management systems</b>	Compatible with AXIS Camera Station Edge, AXIS Camera Station Pro, AXIS Camera Station 5, and video management software from Axis' partners available at <a href="https://axis.com/vms">axis.com/vms</a> .		
<b>VoIP</b>	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		