

# AXIS C8110 Network Audio Bridge

## Versatile audio hub

AXIS C8110 Network Audio Bridge is a smart solution based on open standards for connecting and combining analog and digital audio systems. Thanks to the built-in AXIS Audio Manager Edge application you can get functionalities like zone management and content scheduling in existing analog systems. With SIP support it is possible to connect an IP telephony system for callouts in analog speakers. With analog audio input you can easily integrate your intercom system or music streaming box with network speakers from Axis.

- > **Combines analog and network audio**
- > **I/Os for buttons and relays**
- > **PoE for easy installation**
- > **Based on open standards**
- > **Easy integration with other systems**



# AXIS C8110 Network Audio Bridge

<b>Models</b>	AXIS C8110 Network Audio Bridge	Color: Black NCS S 9000-N For repainting instructions and impact on warranty, contact your Axis partner.
<b>Audio</b>		
<b>Audio management</b>	Software applications for managing and controlling your audio system regardless of its size and complexity: – Included in the product (runs inside the device) is AXIS Audio Manager Edge, offering zone management, content management, content scheduling and health monitoring. Up to 200 speakers and 20 zones are supported (see separate datasheet for more details). – For larger and more advanced systems we recommend AXIS Audio Manager Pro (see separate datasheet).	<b>Memory</b> 512 MB RAM, 512 MB Flash
<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>Power</b> 8–28 V DC, max 4 W typical 1.85 W Power over Ethernet (PoE) IEEE 802.3af Type 1 Class 2 (max 4 W)
<b>Audio input/output</b>	Mic-in, line-in, line-out	<b>Connectors</b> RJ45 10BASE-T/100BASE-TX PoE I/O: 4-pin 2.5 mm terminal block for two configurable inputs/outputs Power: 2-pin 5.0 mm terminal block DC input Audio: 3 pole 3.5 mm, RCA line out
<b>Frequency response</b>	20 Hz - 20 kHz	<b>Storage</b> Support for microSD/microSDHC/microSDXC card Max. size 128 GB For SD card recommendations see <a href="http://www.axis.com">www.axis.com</a>
<b>Maximum output voltage</b>	0.91 V <sub>rms</sub>	<b>Reliability</b> Designed for 24/7 operation.
<b>Maximum input voltage</b>	2.2 V <sub>rms</sub>	<b>Operating conditions</b> -20 °C to 50 °C (4 °F to 122 °F) Humidity 10–85% RH (condensing)
<b>Network</b>		
<b>Security</b>	Password protection, IP address filtering, HTTPS <sup>a</sup> encryption, IEEE 802.1X <sup>a</sup> network access control, Digest authentication, User access log, Centralized Certificate Management	<b>Storage conditions</b> -40 °C to 65 °C (-40 °F to 149 °F) Humidity 5–95 % RH (non-condensing)
<b>Supported protocols</b>	IPv4/v6 <sup>b</sup> , HTTP, HTTPS <sup>a</sup> , SSL/TLS <sup>a</sup> , QoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, Bonjour, UPnP <sup>TM</sup> , 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)	<b>Approvals</b> EMC CISPR 35, CISPR 32 Class B, EAC, EN 55035, EN 55032 Class B, EN 61000-6-1, EN 61000-6-2, FCC Part 15 Subpart B Class B, ICES-3(B)/NMB-3(B), KC KN35, KN32 Class B, RCM AS/NZS CISPR 32 Class B, VCCI Class B, Safety UL 62368-1 <b>Environment</b> IEC/EN 60529 IP20
<b>System integration</b>		
<b>Application Programming Interface</b>	Open API for software integration, including VAPIX <sup>®</sup> , One-click cloud connection, AXIS Camera Application Platform (ACAP) Support for Session Initiation Protocol (SIP) for integration with Voice over IP (VoIP) systems, peer to peer or integrated with SIP/PBX Tested with various SIP client such as Cisco, Bria and Grandstream. Tested with various PBX suppliers such as Cisco and Asterisk.	<b>Dimensions</b> H x D x W: 24 x 56 x 128 mm (0.94 x 2.2 x 5.0 in)
<b>Audio synchronization</b>	Built-in audio synchronization for up to 30 speakers with unicast and hundreds of speakers with multicast. No additional speaker management software or hardware required.	<b>Weight</b> 107 g (0.24 lb)
<b>Event triggers</b>	Call, Virtual inputs, External input, AXIS Camera Application Platform (ACAP)	<b>Included accessories</b> Installation Guide, AVHS authentication key, Digital AXIS Camera Station license key, power connector, I/O connector, hook-and-loop fastener
<b>Event actions</b>	Play audio clip, send SNMP trap, status LED File upload via HTTP, network share and email Notification via email, HTTP, HTTPS and TCP External output activation	<b>Optional accessories</b> Power supply For more accessories, see <a href="http://www.axis.com">www.axis.com</a>
<b>General</b>		
<b>Casing</b>	IP20-rated Plastic and metal casing	<b>Video management software</b> AXIS Camera Station, Video management software from Axis' Application Development Partners available on <a href="http://www.axis.com/techsup/software">www.axis.com/techsup/software</a>
		<b>Languages</b> English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Traditional Chinese
		<b>Warranty</b> 5-year warranty, see <a href="http://axis.com/warranty">axis.com/warranty</a>

- a. *This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit. (www.openssl.org), and cryptographic software written by Eric Young (eay@cryptsoft.com).*  
b. *Audio synchronization with IPv4 only.*

Environmental responsibility:

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