



HYPERION

16-CHANNEL eARC AoIP PROCESSOR

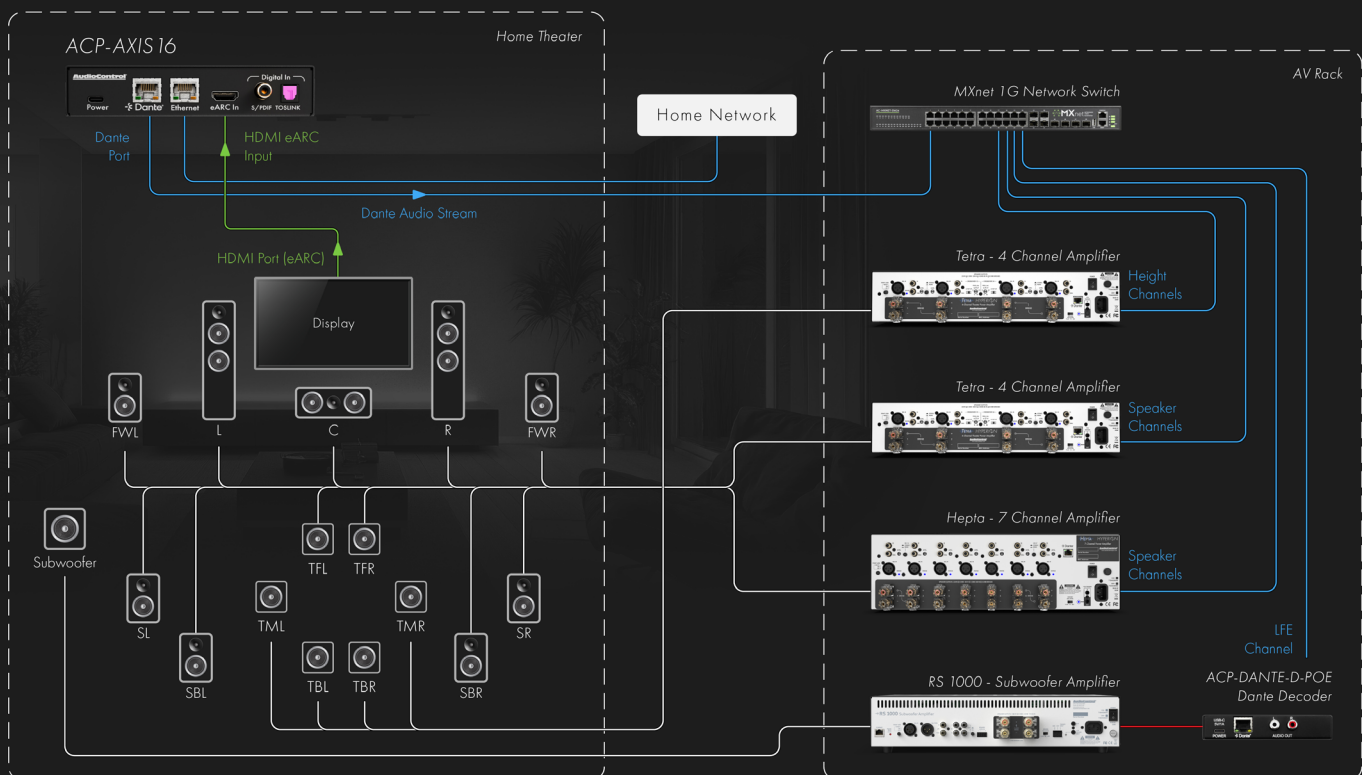
ACP-AXIS16

The Hyperion AXIS16 is a multi-channel eARC audio processor designed to extract high-bitrate immersive Dolby Atmos & DTS-HD audio directly from a display and distribute it across Dante and AES67 networks. Purpose-built for extracting audio from smart displays and streaming apps, AXIS16 enables immersive and multi-zone audio distribution without the need for a traditional AV receiver at the display location. Supporting up to 16 Dante/AES67 output channels which includes either 16 discrete speaker feeds or 14 discrete + 2 downmixed channels, Axis16 integrates seamlessly with the Hyperion or Director ecosystem of networked amplifiers. The onboard DSP provides an EQ, upmixing, crossover management and an advanced speaker distance and level tuning option available exclusively on the Axis16.

With a compact form factor, PoE capability, and standards-based audio networking, AXIS16 simplifies installation while delivering scalable performance for residential theaters, conference rooms, hospitality environments, and other display-centric AV applications.

Hyperion AXIS16 Home Theater Application

Coaxial Cable	Category 5e
HDMI Cable	Speaker Wire



FLEXIBLE PERFORMANCE BEYOND THE THEATER



KEY FEATURES

- Processes 16-channels of Dolby/DTS to Dante/AES67
- Provides an optional stereo downmix output
- Web GUI for configuration and tuning
- Digital audio inputs with signal sense auto-switching
- Separate Dante/AES67 and control network connections

DISPLAY DRIVEN NETWORKED AUDIO

Axis 16 decodes and converts immersive Dolby Atmos and DTS-HD multi-channel audio into discrete Dante or AES67 network streams. This enables high-quality, object-based surround sound from a display to be distributed to Hyperion or Director series amplifiers, without requiring a traditional AV receiver at the source location.

DEDICATED STEREO DOWNMIX

In addition to the 8-channel distribution, Axis 16 simultaneously provides a stereo downmix over Dante or AES67. This allows immersive content to be routed to secondary zones for stereo applications while preserving the full multi-channel mix for the primary listening environment.

POWERFUL DSP TUNING

Axis 16 features an intuitive web-based interface for system configuration and audio tuning. Easily manage decoding modes, speaker configuration, EQ, crossover settings, delay, and output levels directly from a browser, streamlining setup and enabling precise system optimization without external software.

DIGITAL AUDIO INPUTS WITH SIGNAL-SENSE SWITCHING

In addition to eARC, Axis 16 includes digital coaxial and optical inputs with automatic signal detection. When audio is present on the digital input, the unit seamlessly switches sources, ensuring uninterrupted audio distribution and providing installation flexibility for a variety of source devices.

DEDICATED DANTE AND CONTROL CONNECTIONS

Dedicated network ports for audio transport and control provide greater system flexibility and network management. By separating Dante/AES67 audio traffic from control communication, Axis 16 supports cleaner network segmentation, improved reliability, and easier integration into structured enterprise AV infrastructures.

CEC VOLUME CONTROL

Axis series supports HDMI CEC pass-through volume control, allowing users to manage audio levels using the TV's native remote control. This enables seamless, unified operation without the need for additional remotes or control programming.



ACP-AXIS10 SPECIFICATIONS

AUDIO

Frequency Response	20 Hz to 20 kHz
Format	Dolby Atmos, DTS-HD, PCM
Supported Sample Rates	44.1kHz 48kHz 88.2kHz 96kHz
Supported Bit Depths	16- 24- 32-bit
Channel Counts	2.1, 3.1, 5.1, 5.1.6, 7.1, 7.1.6, 9.1, 9.1.6 or Up to 9.1.4 with 2-channel stereo down-mix enabled
Latency	Configurable: 1, 2, or 5 ms

CONNECTIONS

eARC	1x HDMI
Digital Audio	1x TOSLINK 1x Coaxial
Dante/AES67	1x RJ45
TCP / Web UI	1x RJ45

POWER

PoE	802.3af PoE
DC Power	5 VDC 2A (USB Type-C)

WEIGHT & DIMENSIONS

Dimensions	5.75 (146 mm) x 4.375 (111 mm) x 1 (25.4 mm)
Weight	1 lb.

