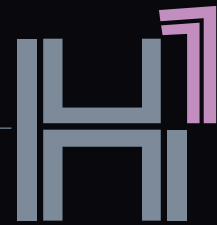


Hybrid Audio Network bridge



OVERVIEW

H¹ is a 19" 1U half-rack hybrid platform designed for multiplexing, transport and delivery of the most common AoIP protocols and audio signals. H¹ can be simultaneously a standalone audio bridge and an AoIP LAN switch which makes possible the most sophisticated audio network topologies.

H¹ merges in the same engine a L2/L3 full manageable switch and a powerful Audinate Dante™ audio matrix. A control and interface board on the front panel, a redundant 100/240 Volts 50/60 Hz power supply unit and a rear slot which accept all the Auvitrans AxC interface cards makes this tool as a unified audio network solution.

In a standalone application, H¹ works as a bidirectional audio bridge between Audinate Dante™ and all the formats supported by Auvitrans AxC interface cards.

In extension application, H¹ provides dual-service functionality of a network managed switch and an audio end-point.

H¹ provides a multi-task platform to create and manage easily the most sophisticated networks without specific skills in IT.

Featuring a large scale of interchangeable accessories, H¹ matches with all use cases (half-rack, rack, truss clamp).

AVS Monitor is the dedicated software working on Windows 7 to 10 in 32 and 64 bits versions. Ghost networks are fully independent of any protocol and perfectly versatile for each stream. Ghost systems can be defined like a broadcast medias highway where every kind of vehicle can run freely and firstly on his dedicated part without global traffic jams.

COMPATIBLE PROTOCOLS

The list below states at present tested and certified protocols. She can change in the future without hardware modifications. Firmware updates will be released from our web site.

- Ethersound™
- Artnet
- TCP/IP remote networks
- AVB-MILAN
- Dante™

APPLICATIONS

Live and touring

- Live events and concerts
- Live broadcast
- Public address
- TV and Radio itinerant projects

Broadcast and studios

- Radio and TV Studios
- OB Vans
- Data centers

Fixed installations

- Stadiums and sport venues
- Museums, theme parks and entertainment venues
- Theatres
- Music and shows venues
- Corporate boardrooms and buildings.

Others

- Multi medias broadcasting

FEATURES

- 3 Ethercon® 10/100/1000 Mbps ports fully independent and assignable.
- 1 Ethercon® 1000 Mbps port assignable for units link.
- 2 Opticalcon® Duo 1000 Mbps ports assignables for units link (OPTION available in single-mode and multi-mode versions).
- 1 RJ45 port assignable in front panel.
- 2 internal ports connected to Audinate Brooklyn II primary and secondary interfaces.
- 1x128x128 audio channels matrix for connexions between internal and external slots.
- 99 Groups can be managed at once.
- Status and traffic of each ports.
- ID Led on each user port.
- 1 LCD screen on each front panel user port.
- Bus, ring, star and hybrid topologies available.s
- Redundant PSU available in option.
- Strong and modular mechanical assembly for a large scale of applications.



Powered by
AuviTran

CobraNet

Ether
ES
Sound 100

MILAN

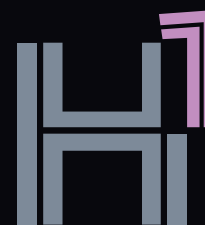
**ART
NET**
ETHERNET

Dante

**AUDIO
ES**
AES67

Dante
SPOKEN HERE

Technical specifications



GENERAL

Size WxDxH (mm)	220 x 433.9 x 43.3 (hors accessoires)
Weight (without options)	3.8 kg
Power consumption	100-127 VAC / 0.5 A 200-240 VAC / 0.25 A
Power supply	100/240 VAC 50/60 Hz
Idle power*	25 W
Maximum power rating*	50 W
Storage temperature / Humidity	70°C > T > -40°C / 90% > H > 10% without condensation
Operating temperature / Humidity	40°C > T > 0°C / 90% > H > 10% without condensation
Altitude	Up to 10 000 ft (3 km)
Acoustic	Fanless

CONNECTIVITY & INTERFACE

Front panel	<p>3 x 10 Base-T / 100 Base-TX / 1 000 Base-T Ethercon® ports with LCD screens</p> <p>1 x 10 Base-T / 100 Base-TX / 1 000 Base-T Ethercon® ports</p> <p>1 x 10 Base-T / 100 Base-TX / 1 000 Base-T OpticalCon® Duo ports</p> <p>2 x Internal port connected to the Audinate Dante primary & secondary interfaces</p> <p>3 leds (Statut, traffic, ID) on each Ethercon® User port</p> <p>2 leds (Statut et traffic) on each OpticalCon® & Ethercon® transmit port</p> <p>1 x Configuration and navigation function switch</p>
Rear panel	<p>1 x 10 Base-T / 100 Base-TX / 1000 Base-T RJ45 ports</p> <p>1 x 10 Base-T / 100 Base-TX / 1000 Base-T OpticalCon® Duo ports</p> <p>1 x AxC - Auvitrans slot</p> <p>1 x Power cord (secondary in option)</p>
Software	<p>Web service for Switch board control</p> <p>Switch, Audio matrix and interface cards remote is available on Auvitrans AVS Monitor software</p> <p>Audinate™ Brooklyn II control and monitoring is available on Audinate Dante controller software</p> <p>Service and maintenance window</p>

PROCESSING

Switch mother board	<p>99 x Groupes disponibles</p> <p>Capacité de 2 x 8K MAC Address</p> <p>IEEE 802.1p Qos</p>
Network capacity	<p>99 x Groupes available</p> <p>Capacity of 8K MAC Address</p> <p>IEEE 802.1p Qos</p>
Audio matrix	<p>128 x 128 audio channels @ 48 kHz</p> <p>Internal slot : up to 64 x 64 audio channels @ 48 kHz</p> <p>External slot : up to 64 x 64 audio channels @ 48 kHz</p> <p>Network streaming capacity: up to 64 x 64 audio channels @ 48 kHz / 32 simultaneous streams Dante™ / AES67</p> <p>Clocking : Two onboard oscillators - Dante / Internal - Software switchable</p>

PACKAGE & WARRANTY

Package includes	<p>1 x H¹ engine</p> <p>1 x IEC13 lock power cord</p> <p>1 x USB stick with Software, firmware and owner's documents</p> <p>20 x M3 screw</p> <p>1 x Removable short angle bracket</p> <p>1 x Removable long angle bracket</p> <p>2 x Removable wall-mount bracket (OPTION)</p> <p>1 x M10 removable plate (OPTION)</p> <p>1 x 5030-B Truss clamp (OPTION)</p> <p>2 x Linking plate</p>
Warranty	5 years parts and service

TRUSS MOUNT OPTION

Package includes	<p>1 x M10 removable plate (OPTION)</p> <p>1 x 5030-B Truss clamp (OPTION)</p>
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WALL MOUNT OPTION

Package includes	2 x Removable wall-mount bracket (OPTION)
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* Idle power is the actual power consumption of the device with no ports connected.

** Maximum power rating and maximum heat dissipation are the worst-case theoretical maximum numbers provided for planning the infrastructure with fully loaded PoE (if equipped), 100% traffic, all ports plugged in, and all modules populated. PoE power is the total power budget available to all PoE ports.

Photos et données non contractuelles. Les spécifications du produit sont susceptibles de changer sans avertissement préalable.