Dante® Controller Hardware Box, Dual 1G LAN, PoE

Dante® Routing Without a PC on Site - Web GUI, RS-232 and TCP/IP API, Separate Control and Dante® LANs

MPN: AUD-DTE-CTLBOX



Puts Dante® routing in the hands of a web browser and the room's control system, so no PC has to stay running on site to change a route. AUD-DTE-CTLBOX is a compact, black metal controller (8.03 x 3.88 x 0.85 in) built on an ARM Cortex-A7 processor running Linux, with Dante® device management integrated through DAPI. It powers from PoE (IEEE 802.3af) on its Dante® LAN port or a local 12V supply, draws 8.4W maximum, and mounts ten units upright in a 6U V2 rack or two side by side in a single 1U space. It is the right choice for any Dante® system where routes are changed from a web browser or a third-party control system where recallable routing and a clean split between control and audio networks matter more than a dedicated routing workstation.

The built-in Web GUI discovers every Dante® and AES67 device on the network and routes left and right channels independently, with device configuration (sample rate, encoding, latency), clock status, an event log and firmware updates for Ultimo and DEP devices in the same interface. Control systems reach it through a control API over RS-232 and TCP/IP, with Telnet, SSH and HTTPS that can each be enabled or disabled, and a 6-pin digital I/O with selectable 5V or 12V levels triggers external devices. The strongest differentiator is the network design: two physically separate 1G ports put the control system and users on a Control LAN that reaches the Dante® devices through the controller while the Dante® audio network stays isolated. It manages Dante® and AES67 devices on the network, such as Dante® wall plates, adapters, converters and amplifiers. Dante® endpoints sold separately.

Dual 1G	PoE	API	Web GUI	Dante® / AES67
Separate Control LAN	IEEE 802.3af Powered	RS-232 and TCP/IP	Routing Without a PC	Device Management

KEY FEATURES

- Routes Dante® and AES67 devices from a built-in Web GUI, no PC on site
- Integrated DAPI with ARM Cortex-A7 1GHz processor running Linux
- Two 1G RJ-45 ports keep the Control LAN and Dante® LAN separate
- Control API over RS-232 and TCP/IP, with Telnet and SSH
- Digital I/O with selectable 5V or 12V level for external devices
- PoE (IEEE 802.3af) or local 12V power, 8.4W max.
- Metal enclosure with ESD and surge protection for 24/7 operation
- Mounts ten units in a 6U V2 rack or two in 1U

SPECIFICATIONS

Processor / OS	ARM Cortex-A7 1GHz - Linux - integrated DAPI
LAN	2x 1G RJ-45 - Dante® LAN (PoE) + Control LAN
Control	Web GUI - TCP/IP (Telnet, SSH, API) - RS-232 - I/O
Device Support	Dante® and AES67 devices
Distance	328 ft (100 m) - CAT5e/6/6A/7
RS-232	3-pin 3.81mm Phoenix
Digital I/O	6-pin Phoenix - 4 outputs + VOUT - 5V/12V
Service	Micro USB update - RESET - Power/Status LEDs
Power	PoE IEEE 802.3af or 12V/1A DC - 8.4W max.
Dimensions / Weight	8.03 × 3.88 × 0.85 in · 1.15 lbs (521 g)
Enclosure	Black metal - ESD/surge protected - rack-mountable
Operating Env.	32–104°F (0–40°C) - 20–80% RH
Package Contents	1x Dante® Controller Hardware Box • 1x 20kHz–60kHz 12V IR receiver cable, 4.9 ft (1.5 m) • 1x IR blaster cable, 4.9 ft (1.5 m) • 2x 3-pin 3.81mm (male) • 1x 6-pin 3.81mm (male) • 2x mounting ears • 4x machine screws (KM3x4) • 1x 12V/1A locking power adaptor

APPLICATIONS

Conference Rooms	Control Systems	Bars and Restaurants	Houses of Worship	Classrooms
Panel recalls Dante® routes over IP	Panel or central controller routes Dante® audio through the API	Change zone sources from a browser	Volunteers route from the web page	Routes triggered over RS-232 or IP

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