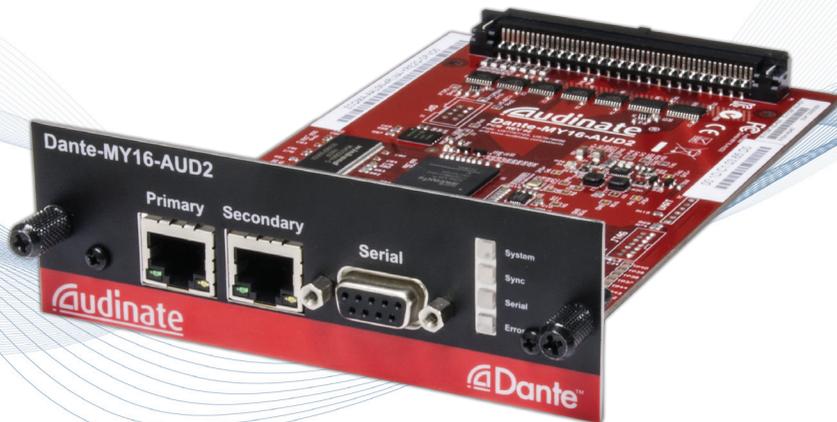


# Dante

## Dante-MY16-AUD2

The Future of Digital Media Networking - Today



**Audinate's Dante-MY16-AUD2 card is a fully compatible Yamaha Mini-YGDAI standard card that instantly Dante-enables your Yamaha mixer, processor or power amp.**

Each Dante-MY16-AUD2 provides up to 32 (16x16) channels at 44.1kHz or 48kHz, or 16 (8x8) channels at 88.2kHz or 96kHz, and full Dante network audio redundancy over Gigabit Ethernet. Add more cards to add more channels, and connect to other Dante-enabled audio equipment and to a PC or Mac running Audinate's Dante Virtual Soundcard or Dante Via software for a complete audio networking solution.

The Dante-MY16-AUD2 card is exclusively distributed by Yamaha.

Dante delivers something every audio professional needs: a no-hassle, self-configuring, true plug-and-play digital audio network that uses standard Internet Protocols over both 100Mbps and 1 Gigabit Ethernet. Patent-pending Dante technology distributes digital audio plus integrated control data with imperceptible latency, sample-accurate playback synchronization, extreme reliability and high channel counts.

#### **Easy to set up and use**

Our innovative configuration protocol makes networking a true plug-and-play process with automatic device discovery and system configuration. Dante-enabled devices will automatically configure their network interfaces and find each other on the network, so you can skip those complicated, error-prone set-up procedures. Instead of "magic numbers," you label Dante devices and their audio channels with names that make sense to you.

#### **Sample-accurate timing with inaudibly low latency**

Dante uses audio-independent, high accuracy network synchronization standards to ensure all Dante devices are synchronized at all times. Sample-accurate playback with extremely low latency and jitter is achieved without limiting your audio sample rates and network layout options.

#### **True Ethernet and IP network compatibility**

Dante runs on inexpensive off-the-shelf computer networking hardware, and does not require dedicated network infrastructure. Ethernet switches transmit Dante digital media streams alongside ordinary data traffic, so you can integrate professional media operations into properly designed pre-existing networks. And with Dante Virtual Soundcard (DVS) or Dante Via, your Mac or Windows computer looks and acts like any other Dante-enabled device. Just plug in to the standard Ethernet port on your computer to use digital audio processing, recording or playback software on the network.

# audinate

MEDIA NETWORKING TECHNOLOGY

## DANTE FEATURES

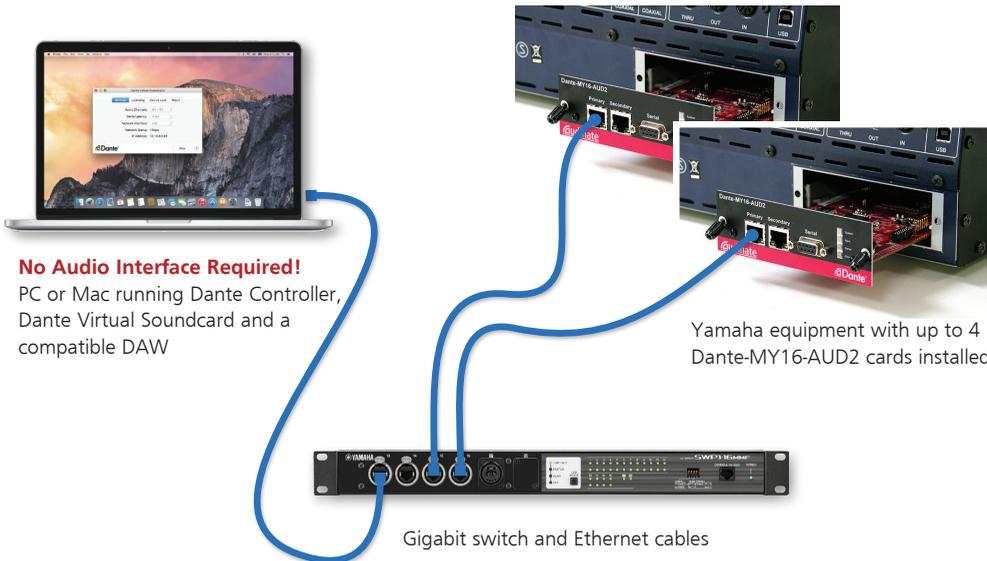
- ▶ **Based on IP networking technology:** Built on industry networking standards including IEEE 802.3 and UDP/IP
- ▶ **Professional quality audio:** Sample accurate playback synchronization
- ▶ **Extremely low latency**
- ▶ **Mix sample rates and bit depths all on the same network:** Run all supported sample rates and bit depths over the same network at the same time
- ▶ **True plug and play networking:** Automatic device discovery and network configuration - no need for an IT specialist on your sound crew
- ▶ **Descriptive label-based routing:** No magic numbers
- ▶ **Network your PC or Mac with Dante Virtual Soundcard or Dante Via:** Directly connect DAW applications with Dante software - no extra hardware required
- ▶ **One network for everything:** Use the same network for audio, synchronization AND control, including Dante control software running on a PC or Mac
- ▶ **Integrate into existing Ethernet networks:** Use standard VoIP-style QoS to integrate Dante into existing network infrastructure alongside other applications
- ▶ **Combine multiple Ethernet network speeds and types:** Flexibility when you need it - from 100 Mbit and 1 Gbit copper through to fiber optic
- ▶ **Cost effective:** Uses off-the-shelf Ethernet switches
- ▶ **Scalable from a single channel to thousands of channels**
- ▶ **Multiple redundancy methods**

 **Dante™**

[www.audinate.com](http://www.audinate.com)

## Application Example: Recording Solution

Record up to 64 channels of audio direct from your Yamaha mixer to your PC or Mac running Digital Audio Workstation software.



### No Audio Interface Required!

PC or Mac running Dante Controller, Dante Virtual Soundcard and a compatible DAW

Yamaha equipment with up to 4 Dante-MY16-AUD2 cards installed

Gigabit switch and Ethernet cables

## Specifications

<b>Sample Rates</b>	44.1, 48, 88.2 and 96 kHz
<b>Audio channels</b>	16 bidirectional @ 44.1 and 48 kHz, or 8 bidirectional @ 88.2 and 96 kHz
<b>Sample bit-depth</b>	16, 24 or 32 bit PCM
<b>Audio transport formats</b>	Dante Audio over IP, AES67 RTP
<b>Network</b>	2 x Gigabit (1000Mbps; 1Gbps) Ethernet RJ45 connectors
<b>Redundancy</b>	Glitch-free Dante audio redundancy using dual Ethernet networks (redundant mode)
<b>Daisy chaining</b>	Daisy chain multiple Dante-MY16-AUD2 cards together (switched mode)
<b>HA Remote</b>	Supported on HA Remote capable Yamaha products
<b>Expandable</b>	Install up to four Dante-MY16-AUD2 cards in available Mini-YGDAL-compatible slots for up to 64 bidirectional audio channels
<b>Clock</b>	High quality on-board VCXO clock can provide master clock OR slave off audio equipment; automatic synchronization with Dante network

## Compatible Yamaha Equipment

<b>Digital Mixers</b>	CS-R10, DSP-R10, RPi0622, CL5/3/1, QL5/1, PM5D, DSP5D, M7CL, LS9, DM2000, DM1000, 02R96, 01V96, 01V96i
<b>Interfaces</b>	RSio64-D
<b>Processors</b>	MRX7-D, MTX5-D, DME24N, DME64N
<b>Power Amps</b>	Tx4n, Tx5n, Tx6n

## Part Number

**MY16II-01-016**

- ▶ Visit [www.yamahaproaudio.com](http://www.yamahaproaudio.com) for more information on Mini-YGDAL compatibility
- ▶ The Dante-MY16-AUD2 is exclusively distributed by Yamaha

[www.audinate.com](http://www.audinate.com)

## FEATURES

- ▶ Standard Mini-YGDAL MY16 card
- ▶ High-performance hardware implementation
- ▶ Supports 44.1 / 48 / 88.2 / 96 kHz, 16, 24 or 32-bit audio
- ▶ Dual Gigabit Ethernet interface
- ▶ Glitch-free Dante audio redundancy support
- ▶ High-quality onboard word clock
- ▶ External word clock sync
- ▶ Expand audio channels using multiple cards
- ▶ Interconnect with other Dante-enabled audio equipment
- ▶ Record and playback directly to PC with Dante Virtual Soundcard or Dante Via

## WORLD WIDE OFFICES

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