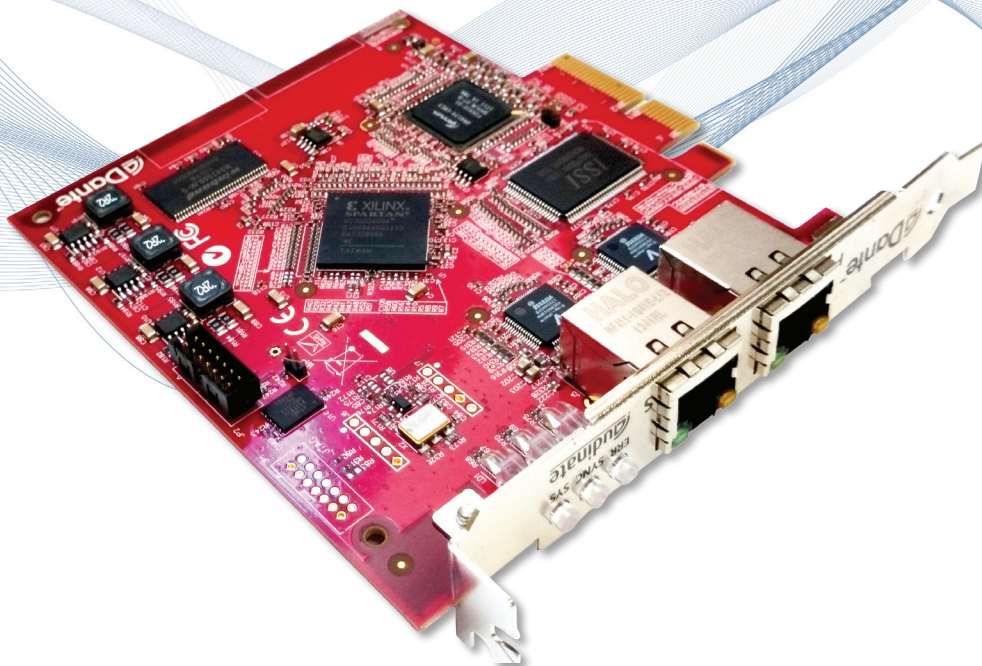


# Dante

## PCIe-R SOUND CARD

The Future of Digital Media Networking - Today



# Unleash your Computer's Potential

Audinate's Dante PCI Express card for PC, Server or Mac provides a cost-effective solution for OEMs seeking to create high-performance recording and audio processing products.

The Dante PCIe-R Soundcard provides 256 channels of uncompressed, digital audio with astoundingly low latency and glitch-free redundancy. High performance hardware processing of audio packets frees computer resources for DSP processing or audio production software.

## FEATURES

- ▶ **Connect and use with Dante-enabled audio equipment:** Send and receive audio from all Dante-enabled devices on your network
- ▶ **Bring your studio recording and production tools to the stage:** Use your current audio software applications and plugins live!
- ▶ **Compatible with standard audio applications:** Presents as a standard ASIO or Core Audio soundcard
- ▶ **Glitch-free Dante redundancy:** Audio continues uninterrupted in the event of a primary network connectivity issue
- ▶ **True plug-and-play networking:** Automatic device discovery and network configuration
- ▶ **High-definition audio reproduction:** Sample-accurate playback synchronization
- ▶ **Extremely low latency:** Optimized for standard networks
- ▶ **True IP networking technology:** Built on global networking standards including IEEE 802.3, UDP/IP and IEEE1588
- ▶ **One network for all your audio devices:** Mixed sample rates and mixed bit depths – all at the same time
- ▶ **Cost-effective:** Uses off-the-shelf Ethernet switches

Dante delivers something every audio professional needs: a simple, self-configuring, true plug-and-play digital audio network over standard IP and Ethernet networks at Gigabit speeds. Patented Dante technology distributes digital audio plus integrated control data with imperceptible latency, sample accurate playback synchronization, extreme reliability and high channel counts.

**Available in a broad range of audio equipment.** Dante-enabled audio equipment from any manufacturer can be quickly and easily connected together on the same network, and audio routes set up with simple mouse clicks.

**Easy to set up and use.** Dante makes audio networking a true plug-and-play process with both automatic device discovery and automatic configuration network interfaces. Once connected, you can easily change the names of

Dante devices as well as their audio channels to 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.

## SPECIFICATIONS

<b>PCI Express card</b>	Compatible with PCIe x4 slots v1.0 and above
<b>Audio Interface</b>	Presents as standard ASIO (Windows) or Core Audio (Mac OSX) soundcard
<b>Audio Channels</b>	<ul style="list-style-type: none"> <li>▶ 256 @ up to 96kHz (128x128)</li> <li>▶ 128 @ 192kHz (64x64)</li> </ul>
<b>Supported Sample Rates</b>	44.1, 48, 88.2, 96, 176.4 and 192kHz
<b>Sample bit-depth</b>	24 bit PCM
<b>Audio Transport Formats</b>	Dante Audio over IP, AES67 RTP
<b>Latency</b>	<ul style="list-style-type: none"> <li>▶ Network latency as low as 150µs</li> <li>▶ Round trip latency (including the audio application) as low as 2.99ms</li> </ul>
<b>Onboard hardware and software processing</b>	High-performance hardware and on-board microprocessor performs all packet and transport processing
<b>Clock</b>	Can provide network master clock OR slave off audio equipment; automatic synchronization with Dante network
<b>OS Support</b>	<ul style="list-style-type: none"> <li>▶ Windows 7 (SP1), 8, 8.1, Server 2008 R2, Server 2012 R2</li> <li>▶ Mac OS X 10.7.5, 10.8.5 and 10.9</li> </ul>
<b>Dante network interface</b>	Gigabit (1000Mbps; 1Gbps) Ethernet RJ45 connectors
<b>Thunderbolt Chassis Support</b>	<ul style="list-style-type: none"> <li>▶ OWC (Other World Computing) Mercury Helios PCIe Thunderbolt Expansion Chassis</li> <li>▶ Sonnet Echo Express SE II Thunderbolt Expansion Chassis</li> <li>▶ Magma ExpressBox 1T 1 Slot Thunderbolt to PCIe Expansion Chassis</li> </ul>
<b>Redundancy</b>	Glitch-free Dante audio redundancy using dual Ethernet networks
<b>Full Dante implementation</b>	Compatible with all Dante-enabled audio equipment over standard IP/Ethernet network
<b>Part number</b>	PCIE-02-128

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

# Audinate

MEDIA NETWORKING TECHNOLOGY

## MORE FEATURES

- ▶ **High-performance hardware implementation**
- ▶ **256 channels of uncompressed digital audio**
- ▶ **Ultra-Low latency**
- ▶ **44.1 / 48 / 88.2 / 96 / 176.4 / 192 kHz, 24-bit audio**
- ▶ **Gigabit Ethernet interface**
- ▶ **High-quality on-board word clock**
- ▶ **Standard PCI Express card format**
- ▶ **Mac OS X and Windows driver support**
- ▶ **Standard sound card interface to software applications**
- ▶ **Interconnect with other Dante-enabled audio equipment**
- ▶ **Supports network Quality of Service**
- ▶ **Thunderbolt chassis support**
- ▶ **AES67 support**
- ▶ **Device Lock support**

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