

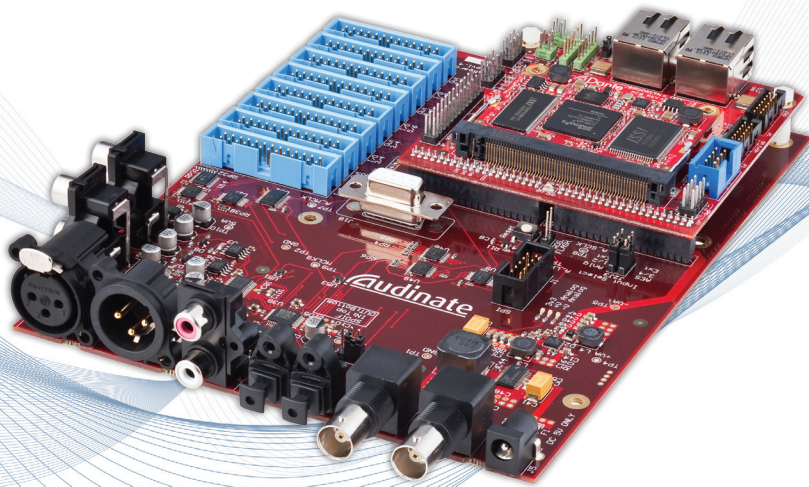
Dante

PRODUCT DEVELOPMENT KIT

Audinate

MEDIA NETWORKING TECHNOLOGY

The Future of Digital Media Networking - Today



The Dante™ Product Development Kit (Dante PDK™) is a fully-featured Dante product development and support platform containing hardware and software implementations of Dante technology, alongside development APIs, supporting tools and documentation.

Learn about Dante development

The Dante PDK contains all you need to become confident and familiar with Dante technology and products, enabling you to understand how you could incorporate Dante to revolutionize your product and solution roadmap.

Design and build innovative Dante-enabled products

The Dante PDK has all the components required to develop your own Dante-enabled networked digital audio product: from simply adding I/O and front panel control, to deeper Dante integration with your own specialized features, through to exploiting Dante's control and monitoring capabilities to enable stand-out systems and solutions. The Dante PDK also comes with 40 hours of Audinate's expert technical support to ensure fast feedback and minimal delays in getting your new product or solution to market.

Fully-featured PDK including hardware and software

The Dante PDK incorporates Audinate hardware, software applications, development tools and expert technical support. It includes two Dante Brooklyn II Modules installed on audio baseboards to allow you to set up your own Dante audio network right out of the box. Connect a PC or Mac® to your Dante network and use Dante Controller software to easily configure and control your Dante audio devices, and record and playback audio using the Dante Virtual Soundcard with your Digital Audio workstation application.

The Dante PDK includes unlimited access to an online repository of searchable documentation and digital resources, to help get you started and to support your ongoing development process.

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 48kHz, 96kHz and other 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:** Directly connect DAW applications with Dante Virtual Soundcard 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

Explore the breakthrough benefits of Dante

Audinate

MEDIA NETWORKING TECHNOLOGY

Future-proof your roadmap.

Built on IP networking standards, Dante is designed to easily adopt latest networking technology as it becomes available. Dante uses global networking standards such as IEEE 802.3 and UDP/IP, and can adapt to new standards via software and firmware field upgrades.

Configuration and operation made easy.

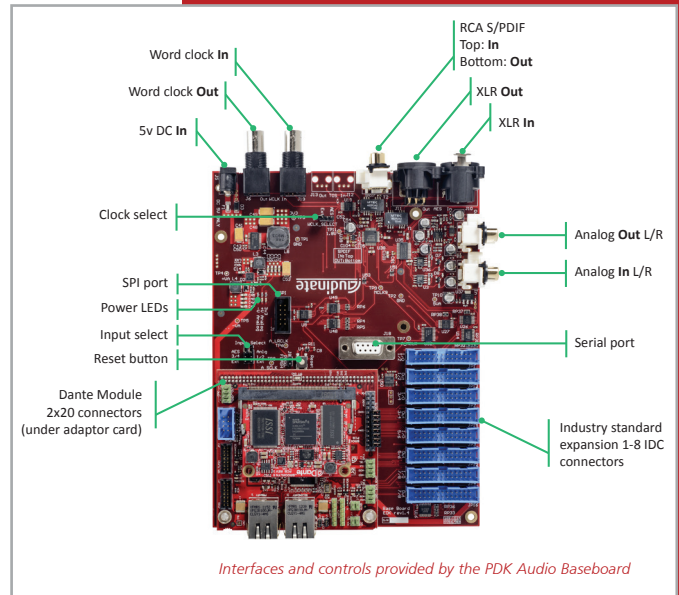
Dante-enabled products use automatic network configuration and discovery techniques that turn complicated audio setup procedures into plug and play. Connect your PC or Mac direct to the network and use Dante's control software to easily configure or route your audio, and Dante's friendly labels to rename your equipment and audio channels with names that make sense to you. Use the Dante API development tools to integrate Dante control into your own control software for a seamless user experience.

Network your Digital Audio Workstation with zero hardware.

Dante Virtual Soundcard (DVS) enables your Mac or PC to join in and behave like any other Dante-enabled hardware equipment. Just plug in to the standard Ethernet port on your computer to use digital audio processing, recording or playback applications direct to the network.

Make IT networks work for you.

Dante runs on standard Ethernet/IP networks and inexpensive off-the-shelf computer networking hardware, and doesn't require dedicated or specialized network infrastructure. Design your network the way you need to, mixing 100Mbps, 1Gbps, Cat5 and fiber to suit your requirements. What's more, using standard VoIP-style QoS, Dante can be run alongside ordinary data traffic, so you even have the option of integrating your professional media operations into larger managed networks.



Interfaces and controls provided by the PDK Audio Baseboard

Dante PDK Features

Dante Modules Included

The Dante Brooklyn II Module is a mini-PCI form factor connector-based card, with 64 channels of bidirectional audio, and supports the full set of Dante features, including the ability to exploit the Dante API to develop and run your own applications directly on the module itself. The Dante PDK includes two Brooklyn II modules.

Supporting Hardware

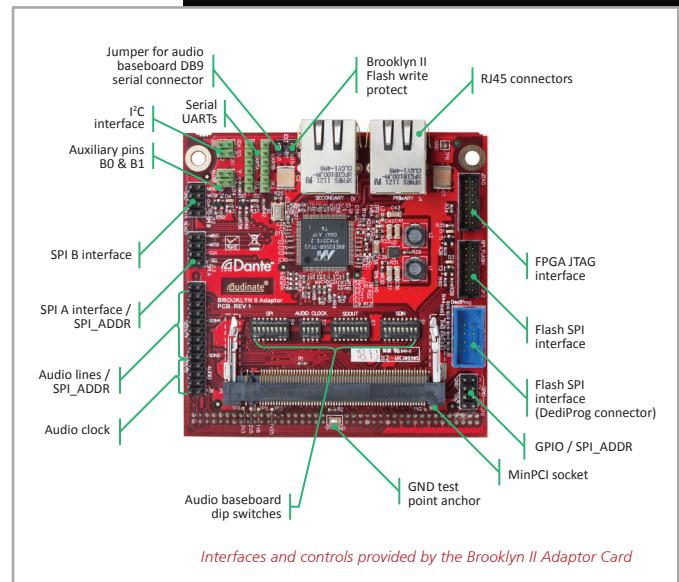
The included audio baseboards allow you to connect a range of audio equipment directly through to your Dante network, both analog (via the stereo RCA connectors) and digital (via either S/PDIF RCA connectors, or AES/EBU XLR). Word clock I/O allows you to experiment with and understand Dante's synchronization capabilities.

The Brooklyn II modules are installed on Brooklyn II Adaptor Cards and provide headers and connectors for the full range of Brooklyn II interfaces, including serial audio, clock, network, SPI, GPIO and I²C.

Audinate Software Included

The Dante PDK includes a range of software allowing you to turn Dante-enabled audio devices into digital audio networked solutions. Dante Controller software automatically discovers and displays all devices present, allowing you to configure audio devices, label devices and channels, and set up audio routing simply and easily.

The Dante Virtual Soundcard allows you record and playback audio using your DAW software, while connecting directly to the network via your PC or Mac's standard network interface. Finally, the Dante API contains the information and tools you need to tightly integrate Dante into your product and enable your own revolutionary Dante-enabled solution.



Interfaces and controls provided by the Brooklyn II Adaptor Card

What's Included

Hardware

2 x baseboards with power supplies and multiple I/Os including:

- ▶ Stereo analog audio I/O (RCA)
- ▶ S/PDIF digital audio I/O (RCA)
- ▶ AES/EBU digital audio I/O (XLR)
- ▶ Word clock I/O
- ▶ Expansion connectors
- ▶ Serial and SPI port connectors

2 x Brooklyn II Adaptor boards with interface headers

2 x Brooklyn II 64x64 modules

Dante Licensed Software Applications

Dante Controller

Dante Virtual Soundcard for Mac

Dante Virtual Soundcard for Windows

2 x Dante Virtual Soundcard License IDs

Configuration Software

Hardware Module Configuration Tool

Documentation

Dante PDK Users Guide

Dante Virtual Soundcard User Guide

Dante Controller User Guide

Brooklyn II Technical Datasheet

Dante API and Development Software and Documentation

Dante API Brooklyn II BBE

Dante API Windows SDK

Dante API Mac OSX SDK

Dante API Programmers Guide

Dante Hardware Module Programmers Guide

Dante API SDK Programmers Guide

Dante Hardware Module BBE User Guide

Dante Product Development Support (PDS)

40 Hours of Product Development Support Included

Part Number

PDK-TK-001

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