



## Audio Networking Workhorse

The Dante Brooklyn 3 module is a mini-PCI form factor module that provides a complete, ready to use Dante interface for any networked audio product design.

Dante Brooklyn modules form the backbone of networked audio installations around the world. They are used in products from hundreds of manufacturers including mixers, DSPs, microphone preamplifier's, and multi-channel power amplifiers.

Featuring support for up to 64x64 channels of ultra-low latency net-worked audio in a small footprint, Brooklyn modules are the most widely used implementation of Dante to date.

Dante Brooklyn 3 is the latest evolution of the Brooklyn series and serves as a direct drop-in upgrade for Dante Brooklyn 2. With updated and more powerful processing capabilities, Dante Brooklyn 3 is ready to carry your products into the future of networked media.

### The Dante Advantage

Dante Brooklyn 3 supports all the features that have made Dante the world leader in networked media, and more: auto discovery of devices, label-based one-click routing of signals, true plug-and-play operation, enhanced security and complete compatibility with Dante Domain Manager. With over 3800 Dante-enabled products available, the Dante Brooklyn 3 provides instant connectivity to the largest and most vibrant AV-over-IP ecosystem today.



## Applications

Dante Brooklyn 3 is ideally suited for medium to high channel count high performance audio products supporting 8x8 to 64x64 channels.



Mixing consoles



DSPs



Recorders



Audio matrix switchers



Media converters



Preamplifiers

## Power for Powerful Products

Dante Brooklyn 3 is designed to meet the needs of manufacturers for years to come, with a powerful Xilinx Zynq-7000 FPGA SoC that extends the lifecycle of the Dante Brooklyn series. A dual-core Arm Cortex A9 host processor supports OEM on-device applications such as user interface and system management.

A flexible synchronous serial audio interface provides 8 x SDIN and 8 x SDOOUT audio lines with up to 2,000 samples audio buffering per channel, while two Serial Peripheral Interfaces (SPI) provide Leader and Follower functions for managing displays and product control. Additional control is

supported through two RS232 ports, four GPIO pins and an I2C system interface. Uncompressed audio is supported at 44.1/48/88.2/96/176 and 192 kHz sample rates.

## Standard IP and IT Ready

All Dante-enabled products provide state-of-the-art performance over common IP networks with readily available switches and equipment and use easily understood standards for IT administration. When coupled with Dante Domain Manager, Dante Brooklyn 3 provides the monitoring, security, and scalability that modern AV installations demand.

## Specifications

Audio Channels In/Out (44.1/48kHz)  
Up to 64x64 channels

Audio Channels In/Out (88.2/96kHz)  
Up to 32x32 channels

Audio Channels In/Out (176.4/192kHz)  
Up to 16x16 channels

Audio Flows In/Out  
Up to 32x32 simultaneous streams

Digital Audio Formats  
TDM, I2S

Audio Transport Formats  
Dante Audio over IP, AES67 RTP, SMPTE  
ST2110-30 RTP (enrolled devices)

Sample Bit Depth  
16, 24 or 32 bits per sample

Audio Buffering  
Up to 2000 samples per channel

Clocking  
Onboard word clock or external word clock

Form Factor  
Card edge module. 4.5cm x 6cm (1.75" x 2.4")

Clock  
High quality, low jitter

Ethernet  
Standard RGMII/MII interface for Ethernet  
PHY or switch chip

Power  
3.3VDC @ 2W max  
Physical Connector  
Mini-PCI

Control Interfaces  
SPI Leader and Follower; GPIO; I2C

Network  
RGMII/MII

