

PowerMatch® Dante™ network card

Product Overview

The Dante™ network card for Bose® PowerMatch® configurable professional power amplifiers provides 8 input channels of low-latency digital audio using the Dante audio networking solution from Audinate®. Eight output channels are available for diagnostic monitoring from remote locations.

The Dante network card is installed into the digital expansion slot of the amplifier and includes a primary and secondary Gigabit Ethernet port. The secondary port can be configured for switched (default), redundant, or filtered for legacy product network connections. Up to 10 devices can be daisy-chained using the switched port configuration.

Bose ControlSpace® Designer™ software offers comprehensive device configuration and control for Dante endpoints, Bose ESP processors and PowerMatch amplifiers to help streamline system design and installation.

Technical Specifications

Audio Channels	
Channels In	8 (PM4500/N and PM4250/N models must select from upper or lower 4-channel groups)
Channels Out	8, post-processing
Flows	Up to 16 simultaneous
Interface	
Connectors	Two 1 Gb (Gigabit) Ethernet RJ-45
Secondary Port Modes	Switched (default) / Redundant / Legacy Hardware (multicast filtered)
Format	48 kHz / 24 bit PCM
Interface Data	Dante network audio
Indicators	
Rear Panel	Network speed indicator: yellow (1 Gb), green (100 Mb) Link/Act indicator: solid green (link established), flashing green (data activity)
Software Application	
ControlSpace® Designer™ Software v4.1 or later	
General	
Product Code	359844-0020
Compatible With	PowerMatch PM8500 / PM8500N configurable professional power amplifier PowerMatch PM8250 / PM8250N configurable professional power amplifier PowerMatch PM4500 / PM4500N configurable professional power amplifier PowerMatch PM4250 / PM4250N configurable professional power amplifier
Box Contents	(1) expansion card, (1) installation guide

Connector Panel



BOSE

TECHNICAL DATA SHEET



Key Features

- 8x8 channel I/O
- Diagnostic audio monitoring bus
- Gigabit Ethernet connections
- Port mode options for networking flexibility
- Supports redundant connections

Applications

The PowerMatch Dante network card provides 8x8 channels of digital audio using Dante, a digital audio networking solution. Dante operates over standard IP Ethernet networks with sample accurate synchronization and automatic device and channel discovery.

This card supports both switched and redundant operation – allowing PowerMatch amplifiers to be integrated into small systems without additional network hardware or larger systems utilizing multiple endpoints with redundant network design.

Designed for a wide range of applications, including:

- Performing arts venues
- Hotels and conferencing facilities
- Religious and worship facilities
- Health clubs
- Retail and shopping centers
- Sports venues
- Schools and universities

Dante™

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