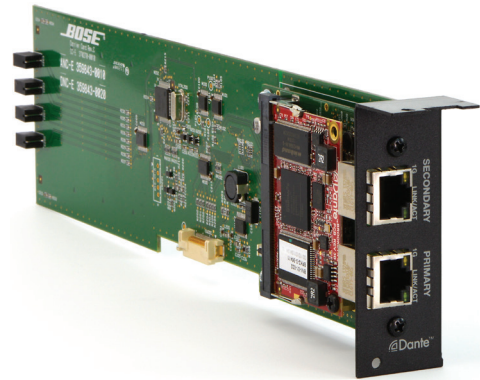# ControlSpace® ESP-00 Dante™ network card

BOSE®

Product Overview

The Dante™ network card for Bose® card-frame ControlSpace® engineered sound processors provides 16 input and 16 output channels of low-latency digital audio using the Dante audio networking solution from Audinate®.

Each card 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 processors and PowerMatch® configurable professional power amplifiers to help streamline system design and installation.

Technical Specifications

Audio Channels	
Channels In/Out	16x16
Flows	Up to 32 simultaneous
Interface	
Connectors	Two 1 Gb (Gigabit) Ethernet RJ-45
Channel Modes	16x16, 8x8, 16x0, 0x16, 8x0, 0x8
Secondary Port Modes	Switched (default) / Redundant / Legacy Hardware (multicast filtered)
Format	48 kHz / 24 bit PCM
Interface Data	Dante network audio
Indicators	
Signal	Green (-60 to -20 dBFS), Yellow (-20 to -2 dBFS), Red (-2 to 0 dBFS) LED 1: Dante input channels 1-8 (top LED) LED 2: Dante input channels 9-16 LED 3: Dante output channels 1-8 LED 4: Dante output channels 9-16 (bottom LED)
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	359843-0020
Compatible With	ControlSpace ESP-00 II engineered sound processor ControlSpace ESP-00 engineered sound processor ControlSpace ESP-88 engineered sound processor (built 2008 or later)
Box Contents	(1) expansion card, (1) installation guide
Slot Requirement	One space, one network card per chassis
Routing Slot Allocation	1, 2 or 4 (dependant on channel mode)

Connector Panel

Key Features

- 16x16 channel I/O
- Gigabit Ethernet connections
- Port mode options for networking flexibility
- Supports redundant connections
- LED indicators for audio signal and network status

Applications

The ControlSpace ESP-00 Dante network card enables Bose card-frame engineered sound processors to recieve and transmit 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.

The card supports both switched and redundant operation – allowing Bose ESP-00 II processors 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™