



V 1.0 - 092024

## PeopleLink Dante DSP



The **PeopleLink Dante DSP** series is designed with essential features for audio engineers, enabling efficient routing, processing, and control of remote audio hardware via a computer. The Dante DSP Controller, a Windows-based application, offers 16 customizable presets, allowing modules and sequences to be tailored to specific needs and saved for future use.

This comprehensive application includes editable processing modules, parameter adjustments, and settings for peripherals like RS232 and RS485. Its user-friendly interface allows engineers to create custom layouts that can be easily operated by technicians or end users, with advanced security features ensuring access is restricted to authorized controls.

## Key Features

- Independent Channel (AFC) :** Supports independent audio channels with a boost of 10dB, allowing precise control over each channel's sound characteristics for optimized audio management.
- Noise Suppression (ANS) :** Enhances the signal-to-noise ratio by 18dB, effectively reducing background noise and ensuring clearer, more intelligible audio.
- Gain-Shared Automatic Mixing (Gate Mixer) :** Automatically manages multiple audio sources to prevent feedback and distortion while maintaining optimal sound levels.
- Remote Bus AEC :** Features a tail length time of 512ms for effective Acoustic Echo Cancellation, providing clearer audio in conference settings by eliminating echo.
- Dynamic Range & Data Channels :** Offers an impressive input dynamic range of 110dB and output dynamic range of 112dB, along with 8x8 analog input/output and Dante/AEC67 network interfaces for flexible connectivity and routing of audio signals.

## General Specifications

**Processor** : ADI SHARC 214890450 MHz SIMD, 400MIPS, 1.6GFLOPS

**Product Size** : 482mm x 260mm x 45mm

**Net Weight** : <5KG

**Power Supply** : AC110-240V, 50Hz/60Hz

**Installation Method** : Rack mount

**Independent Channel (AFC)** : Support, boosted by 10dB

**Noise Suppression (ANS)** : Support, signal-to-noise ratio boosted by 18dB

**Ducker** : Support

**Noise Gain Compensation (ANC)** : Support

**Gain-shared Automatic Mixing (Gate Mixer)** : Support

**Remote Bus AEC** : Tail length time: 512ms

**Convergence Rate** : 60dB/s

**Echo Cancellation Amplitude** : 60dB

**Maximum Level** : +18dBu

**THD+N** : <-94dB@4dBu

**Input Gain:**

0/3/6/9/12/15/18/21/24/27/30/33/36/39/42/45 dBu

**Input/Output Dynamic Range** : 110dB/112dB

**Delay (Automatic Mixing Output, Including Dante)** : <30ms

**UAC Audio Interface** : USB-A x 1

**GPIO Interface** : Logic input/output

**Analog Input/Output** : 8x8

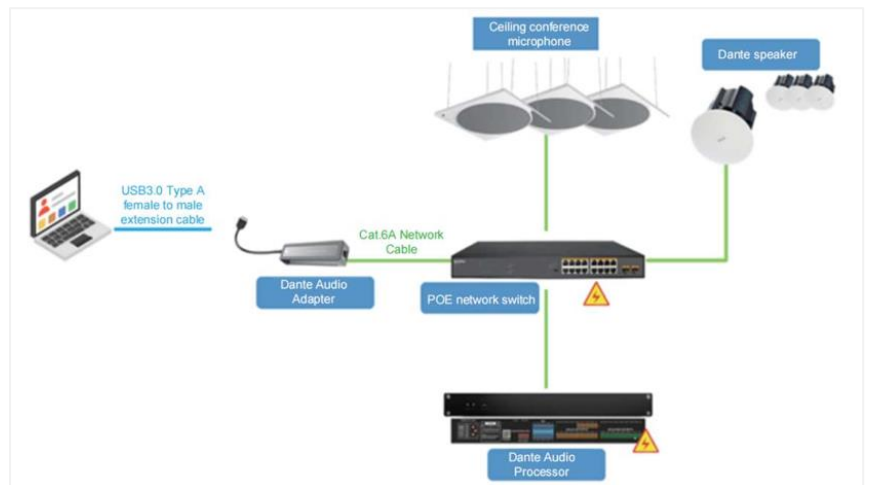
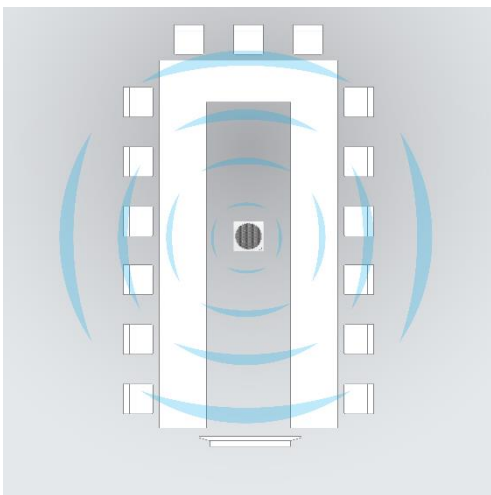
**Dante/AEC67 Network Interface** : 8x8

**Network Control Interface** : 1

**RS-485 Interface/RS-232 Interface** : 1/1

**Phantom Power** : +48V/10mA max, 1

## Application Scenarios



**Disclaimer:-** Room setup diagrams provided for reference only. Actual room setup and size may vary as per requirements.

## Ordering Information

PeopleLink DanteDSP : \*\*\*\*\*

### SALES AND INQUIRIES

#### Global Headquarters

Q3-A3, 10th Floor Cyber Towers,  
HITEC City, Hyderabad,  
Telangana 500081, **India**  
**Phone:** +91 9100123013  
**Email:** [vc@peoplelinkvc.com](mailto:vc@peoplelinkvc.com)

#### International Contact Numbers

**USA:** +1 669-696-8383

**Australia:** +61 370 037070

**France:** +33 6 80 75 26 42

**Middle East:** +966 5300 19292

**UK:** +44 20 4571 5454

**UAE:** +971 4 3339082

**Canada:** +1 647-945-7373

**Malaysia:** +(6)018-2872188

**New Zealand:** +64-9-802-4666

**Africa:** +254 107 529 656

#### Tech Support

**Toll Free:** 1800 208 3399  
[customersupport@peoplelinkvc.com](mailto:customersupport@peoplelinkvc.com)