# QSC

**Attero Tech by QSC
Synapse D32i**

Dante™/AES67 Networked Audio
Interface - 32 channel inputs

## Features

- 32 line level balanced inputs

- Front panel for network audio level control

- High performance analog-to-Dante conversion on terminal block connectors

- Software selectable pad can be configured for professional (+4 dBu) or consumer (-10 dBV) input levels for each 16 channel input bank.
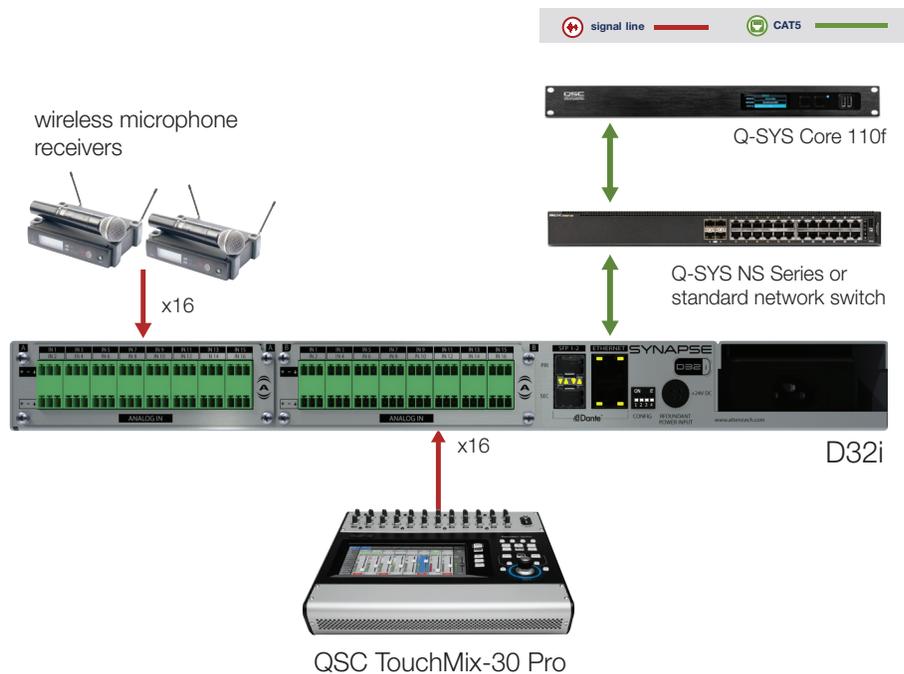
## Applications: Live Sound • Stadiums • Recording Studios • Education • Conference Centers

The D32i is a high-performance, 32-channel networked audio interface supporting Dante with AES67 interoperability. The balanced line level inputs feature a software-switchable input pad for each bank to accomodate a mix of line level consumer and professional analog audio devices. All inputs are available independently for routing from the Dante / AES67 network audio interfaces.

A Q-SYS control plugin is available that enables simple integration of the Synapse D32i into the Q-SYS Ecosystem.

## Application Example

# Synapse D32i Details

## Specifications

### Analog Line Inputs

| | |
|---|---|
| Maximum input level | +24 dBu (Pad active - Line mode) |
| Input impedance | 10 Ω |
| Input type | 3-pin depluggable terminal block |
| Dynamic range | >105 dB |
| THD+N | <0.005% @ -3 dBFS |
| Frequency response | 20 Hz to 20 kHz, +/- 0.5 dB |

### Headphone Output

| | |
|---|---|
| Connector | 1/4 in TRS jack |
| Controls | mute / volume encoder |
| Load | 32 Ω minimum |

### Audio Networking

| | |
|---|---|
| Protocol support | Dante™ with AES67 support |
| Channel count | 32 Dante RX, 2 Dante RX |
| Modes | Switched or Redundant Mode |
| Latency | 0.250 ms minimum |
| Ports | 2 - Gb copper on RJ-45,  2 - Gb SFP |
| Sample rates | 16/24-bit, 44.1 kHz, 48 kHz, 88.2 kHz, 96 kHz |

### Environmental

| | |
|---|---|
| Power | 110 V-220 V AC Input, with optional external 24 VDC redundant supply |
| Power consumption | <20 W |

### General

| | |
|---|---|
| Dimensions (HWD) | 1 RU form factor<br>1.75 x 19 x 12.5 in<br>(44.5 x 482.6 x 5080 mm) |
| Weight | 6 lb (2.72 kg) |
| Operating temperature | 0 to 40° C |
| Regulatory compliance | FCC 47CFR Parts 15B and 18 (Class A), EN 55011, ICES-003, CE (EN55032 Class A and EN55024 Class A) |