



Attero Tech by QSC  
Synapse D32Mi

Dante™/AES67 Networked Audio Interface - 32 channel inputs

Features

- 32 studio-grade mic/line preamps with line level capabilities
- Front panel for network audio level control
- High performance analog-to-digital 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.

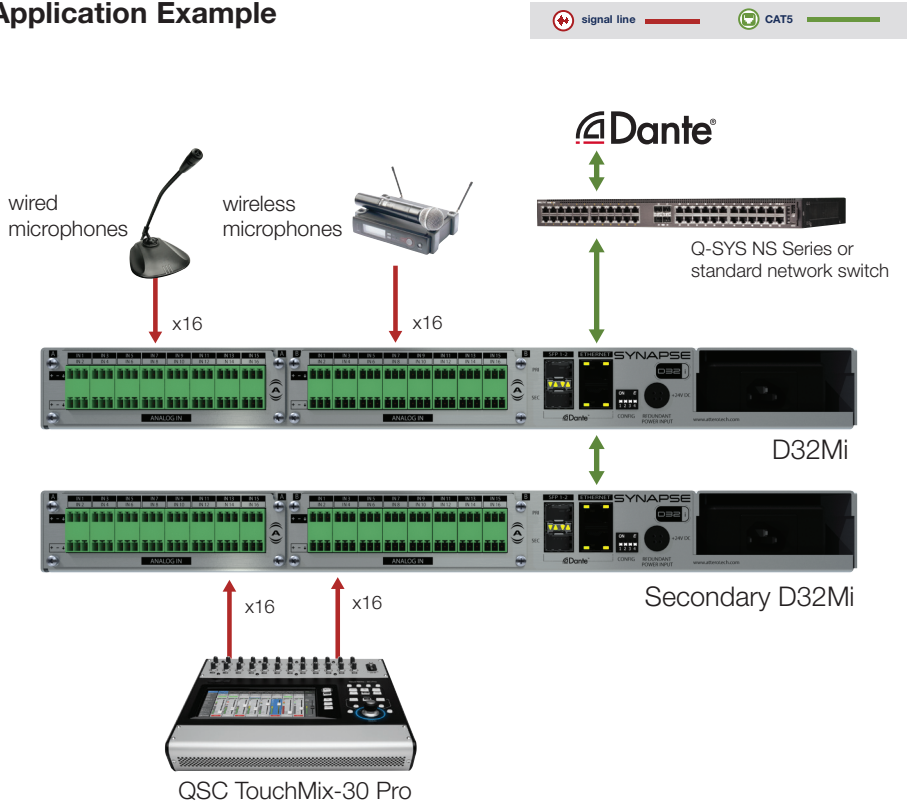


Applications: Live Sound • Stadiums • Recording Studios • Education • Conference Centers

The Synapse D32Mi a high-performance, high-channel density networked audio interface supporting Dante™ with AES67 interoperability. It features 32 studio-grade mic/line preamps and is designed to address the needs of a wide range of commercial audio connectivity applications. Also offers quick access to gain, mute and phantom power controls along with front panel headphone access for local input and Dante™ confidence monitoring.

A Q-SYS control plugin is available that enables simple integration of the Synapse D32Mi into the Q-SYS Ecosystem.

Application Example



# Synapse D32Mi Details

## Specifications

### Mic/Line Inputs

Maximum input level	+24 dBu (Pad active - Line mode)
Input impedance	2k $\Omega$ (mic)   10k $\Omega$ (line)
Input type	3-pin depluggable terminal block
Dynamic range	125 dB @ max gain
THD+N	<0.005% (line), <0.015% (max mic gain)
Frequency response	20 Hz to 20 kHz, +/- 1 dB

### Analog Outputs

Maximum output level	+24 dBu
Output impedance	200 $\Omega$
Input type	3-pin XLR-M
Dynamic range	>110 dB
THD+N	<0.02% @ -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 $\Omega$ 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 1.75 x 19 x 12.5 in (44.5 x 482.6 x 508.0 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)

