



Introduction

The Atлона **OmniStream™ 232 (AT-OMNI-232)** is a Dante networked audio interface that transmits and receives two channels of audio over a network. OmniStream 232 devices are ideal for integrating microphones and other audio sources with a Dante-equipped DSP and OmniStream AV decoders. The OmniStream 232 features two balanced mic/line audio inputs with selectable 24-volt phantom power, as well as two balanced line level outputs. It can be powered over the network through Power over Ethernet (PoE), as well as from local AC power. The OmniStream 232 extends the power and flexibility of the OmniStream networked AV platform, by enabling facility-wide system designs that include complete audio system integration with Dante-based professional audio devices.

Applications

- **Meeting rooms and similar spaces with several microphones**
OmniStream 232 units can be used to integrate mic audio into a DSP over a Dante network.
- **Enterprises and other large organizations**
In such environments, there is often a need for complete AV system solutions that include professional-quality audio for conferencing and sound reinforcement.
- **Facilities in which Dante audio systems are already in place, or are being planned**
OmniStream makes it easy and convenient to tie in HDMI source audio, and also bring facility-wide background music and paging into AV systems.

Key Features

Dual-channel Dante networked audio interface

- Expand the capabilities of OmniStream networked AV systems by integrating audio devices and digital signal processing.*
- Allows a unified AV-over-IP platform for facility or enterprise-wide audio and video distribution.

* The OmniStream 232 uses the Dante networked audio protocol, and operates independently from VC-2 streams and OmniStream AV encoders and decoders. Dante audio over IP routing configuration requires Dante Controller software.

Two balanced mic/line inputs

- Provides a localized audio connection for microphones, or de-embedded audio from an OmniStream AV decoder.
- Avoids the need to run long mic cables to an equipment rack.

Selectable 24-volt phantom power for each input

- Delivers the appropriate power necessary for a condenser microphone.
- Ensures compatibility with the wide range of popular phantom-powered microphones used in pro AV systems.

Two balanced line level outputs

- Deliver Dante audio to an OmniStream AV decoder for embedding onto an HDMI output, or send to a local sound reinforcement system.
- Enables flexible system design options for audio playback in a facility.

Selectable input and output gain settings

- Set up for mic and program audio reference levels, as well as interfacing with pro or consumer audio equipment.
- Simple built-in controls for setting proper audio gain structure and delivering quality performance.

Simplify integration with plug-and-play network switch compatibility

- Streamline system setup by using Atlona Certified Switch configurations for popular models from Cisco, Luxul, Pagedge, and others.
- Saves installation time and costs without the need to manually configure a network switch.

Local or PoE (Power over Ethernet) powering

- Device can conveniently be powered over the network from a PoE-equipped network switch.
- PoE simplifies integration without the need for local AC power, and allows centralized power monitoring and management.
- Optional AT-PS-24250-L power supply available.

Easy to configure and manage with AMS (Atlona Management System)

- Intuitive, web-based GUI for setting up OmniStream systems, including virtual routing for AV, control, and data over the network.
- Simplify OmniStream system management with continuous monitoring, notifications and alerts, multi-device configuration and backup, automated firmware updates, and more.
- Available as a cost-effective server appliance, or a free software download.

Award-winning 10 year limited product warranty

- Ensures long-term product reliability and performance in residential and commercial systems.
- Specify, purchase, and install with confidence.

Specifications

Audio	
In/Out	Dante two-channel
Input Level	+4 dBu nominal, +24 dBu no clipping
Output Level	+4 dBu nominal, +24 dBu no clipping
Frequency Response	20 Hz to 20 kHz, ±5 dB
Sampling Rate	44.1 kHz, 48 kHz, 88.2 kHz, 96 kHz
Input Impedance	> 1.8 kΩ
Phantom Power	+24 V
Noise	THD+N: < 0.015% from 20 Hz to 20 kHz @ 45 dB gain SNR: >90 dB, unweighted

Connectors	
ETHERNET*	1 - RJ45, 10/100/1000 Mbps
LINE/MIC IN	2 - Euroblock, 3-pin, port 1/port2
LINE OUT	2 - Euroblock, 3-pin, port 1/port2
DC 24V	1 - 3.5 mm barrel connector

*Maximum distance per hop 300 ft (100 m), depending upon network configuration.

Power	
Consumption	3 W
External Power Supply (optional)	Input: 110 - 220 V AC, 50/60 Hz Output: 24 V DC, 1.5 A
Safety	CE, FCC, cULus, RoHS, CCC, RCM

Environmental	
Operating Temperature	+32 to +104 °F 0 to +40 °C
Storage Temperature	-4 to +140 °F -20 to +60 °C
Operating Humidity (RH)	20% to 95%, non-condensing

Chassis	
Dimensions (H x W x D)	1.06 in x 6.46 in x 3.46 in 27 mm x 164 mm x 88 mm
Weight	0.82 lbs 0.37 kg
Safety	CE, FCC