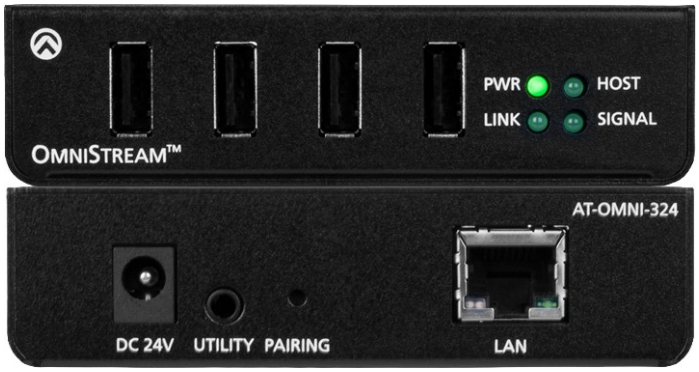



# HW-OMNI-324
# Specification Sheet

**OmniStream Device Side IP to USB Adapter**

## Description

The Atlona OmniStream™ 324 (HW-OMNI-324) works in tandem with the OmniStream 311 (HW-OMNI-311) for extending USB from peripheral devices to a PC over Gigabit Ethernet. The OmniStream 324 features a four-port USB hub for peripherals, while the OmniStream 311 interfaces with a PC or other host device. The OmniStream USB over IP system is compatible with USB 2.0 data rates of up to 480 Mbps. It can be used with high-bandwidth devices including cameras, speakerphones, microphones, and DSPs, plus standard USB HID-class devices such as a keyboard, mouse, or touch display. Up to seven OmniStream 324 units can be simultaneously paired to an OmniStream 311. Additionally, USB routing over the network can be managed using VDM (Velocity Device Manager).

OmniStream USB products can be used in a wide variety of system design scenarios for soft codec conferencing and remote keyboard / mouse control. They are ideal for integrating USB audio and video devices as part of a fully IP-based meeting room system, in conjunction with OmniStream AV over IP devices and the Velocity Control System.

## Applications

### Huddle rooms

- OmniStream USB products provide a streamlined videoconferencing solution that interfaces a PC with a PTZ camera, as well as USB audio peripherals.

### Meeting rooms

- OmniStream USB products are ideal for interfacing a wall-mounted touch display with a laptop at the meeting table.

## Key Features

- Extend USB over Gigabit Ethernet using Cat 5e/6 cable.
- Four-port USB hub.
- Supports high-bandwidth devices such as webcams and speakers, as well as standard HID-class peripherals.
- Compatible with USB 2.0 data rates up to 480 Mbps.
- Ideal for meeting room applications to extend USB from touch displays, cameras, speakerphones, DSPs, and more.
- Design flexible and scalable AV systems in combination with OmniStream AV encoders and decoders.

- Up to seven OmniStream 324 units can be paired with an OmniStream 311 over a network.
- USB signal routing configured and managed by VDM (Velocity Device Manager).
- Ready for integration with Atlona Velocity™ Control System to manage USB signal routing.
- Front panel LED indicators for power, network and USB host connectivity, and USB signal presence over IP.
- Low-profile, 1 inch (25 mm) high enclosure.
- Includes installation guide, surface-mounting brackets, and external universal power supply.

## Specifications

| USB | |
|---|---|
| Signal | USB 2.0 |
| Maximum Data Rate | 480 Mbps |
| Maximum Current Draw | 1 A per Type-A port, with a maximum of 2.5 A available across all four ports |

| Distance | Feet | Meters |
|---|---|---|
| Per hop of Ethernet cable | 330 | 100 |

| Connectors, Controls, and Indicators | |
|---|---|
| USB | 4 × Type-A, 4-pin female |
| LAN | 1 × RJ45, shielded |
| UTILITY | 1 × 3.5 mm mini-stereo |
| DC 24V | 1 × 2.1 × 5.5 mm DC power connector |
| PAIRING | 1 × push button, tact-type, recessed |
| PWR Indicator | 1 × LED, green |
| LINK Indicator | 1 × LED, green |
| HOST Indicator | 1 × LED, green |
| SIGNAL Indicator | 1 × LED, green |

| Environmental | Fahrenheit | Celsius |
|---|---|---|
| Operating Temperature | +32 to +122 °F | 0 to +50 °C |
| Storage Temperature | -4 to +158 °F | -20 to +70 °C |
| Operating Humidity (RH) | 20% to 80%, non-condensing | |
| Storage Humidity (RH) | 10% to 90%, non-condensing | |

| Power | |
|---|---|
| Supply | 24 V DC, 0.75 A |

| Dimensions (H × W × D) | Inches | Millimeters |
|---|---|---|
| Device | 1.04 × 3.92 × 3.01 | 26.40 × 99.50 × 76.45 |

| Weight | Pounds | Kilograms |
|---|---|---|
| Device | 0.50 | 0.23 |

| Certifications | |
|---|---|
| Device | CE, FCC, CB, RoHS |

| Warranty | |
|---|---|
| Device | To view the product warranty, visit: hallresearch.com/warranty |

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