

# Learn More

The Atlona **AT-OME-MS52W** is a 5×2 matrix switcher with HDMI, USB-C, DisplayPort, and wireless AV inputs, plus HDMI and HDBaseT outputs. It features wireless presentation capability and native screen mirroring for iOS®, Android™, Mac®, Chromebook™, and Windows®. Part of the **Omega™ Series** of integration products for modern AV communications and collaboration, the OME-MS52W is HDCP 2.2 compliant and features HDBaseT extension for video up to 4K/60 4:2:0, plus embedded audio, control, Ethernet, and USB over distances up to 330 feet (100 meters). All inputs and the local HDMI output support 4K HDR and 4K/60 4:4:4 at HDMI data rates up to 18 Gbps. The integrated USB extension addresses the challenge of connecting between USB devices at remote locations, and is ideal for software video conferencing and touch or interactive displays. The OME-MS52W includes USB 2.0 and USB-C interfaces for three host PCs, plus two peripheral devices such as a camera, microphone, speakerphone, or keyboard and mouse.

## USB Extension for Video Conferencing with Zoom, Skype for Business, Microsoft Teams, and More

The OME-MS52W features integrated USB extension over HDBaseT up to 330 feet (100 meters). This capability, plus interfacing for host PCs and USB peripherals makes the OME-MS52W ideal for video conferencing and UC (unified communications) platforms such as Zoom, Skype® for Business, Microsoft® Teams®, Cisco® Webex®, BlueJeans, and GoToMeeting®. Available from Atlona is the **AT-HDVS-CAM** PTZ camera with USB interface.

## Wireless BYOD Connectivity

In addition to wired AV connections, the OME-MS52W interfaces with a presenter's iOS, Android, Mac, Chromebook, or Windows device over Wi-Fi®, and allows screen mirroring without the need to install an app. It can serve as an integrated, dual band access point, or be networked into an existing Wi-Fi installation. With a second antenna (included), the OME-MS52W can also provide simultaneous Wi-Fi and Miracast™ (Wi-Fi Direct®). In addition, the OME-MS52W supports Miracast over Infrastructure which allows Miracast over a facility Wi-Fi network or LAN, rather than over a direct wireless link. Please [click here](#) for complete information about wireless AV connectivity with the OME-MS52W.

(Note: URL casting is not available for video from apps such as YouTube™, Netflix®, Hulu®, and Amazon® Prime® Video.)

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## Versatile Matrix Switcher, Scaler, and Extender

The OME-MS52W is ideal for video conferencing and many other 4K presentation applications with the **OME-EX-RX** receiver and **OME-SR21** scaling receiver. It combines the benefits of auto-switching, integrated display control, USB extension, and more. The OME-MS52W incorporates many popular integration convenience features, while delivering excellent performance and value for 4K presentation and video conferencing applications. It combines the benefits of wireless BYOD compatibility, built-in Wi-Fi access points, auto-switching, integrated display control, USB extension, and more. The USB-C input is ideal for AV interfacing with newer laptops and mobile devices, plus data connectivity (to the local USB hub and over HDBaseT). Additionally, the OME-MS52W can provide powering to the receiver, and charge laptops and mobile devices through the USB-C port. For additional integration convenience, the OME-MS52W features audio de-embedding and remote management with **AMS (Atlona Management System)**.

## Automatic Display Control

The OME-MS52W can provide control to a display through TCP/IP, RS-232, or CEC\*, without the need for a separate control system. This simplifies system design and integration while reducing costs. With automatic display control, the OME-MS52W can trigger a display to power on automatically whenever a laptop or other device is connected to the OME-MS52W. At the end of the presentation, when the presenter disconnects the laptop, the OME-MS52W forces the display to power off. Ease of presenter interaction with the system, and the savings incurred by automatic display shutdown provide a significant return on investment. The OME-MS52W display control capability can also be triggered by an external control system.

\* Consumer Electronics Control (CEC): Atlona does not guarantee the function of CEC with all televisions. We can confirm proper operation with many current Samsung, Panasonic, Sony, and LG TVs. Many manufacturers do not support the CEC "off" command when sent from a source and older TVs use proprietary commands. Atlona only supports those TVs that follow CEC command structure from HDMI 1.2a and support the "off" command when issued by a source. We encourage any dealer to get evaluation product from Atlona prior to designing a system around this control technology or be prepared to use other methods to control their displays if Atlona CEC is not compatible with the installed displays.

## Reliable Auto-Switching

When the HDMI and HDBaseT outputs are mirrored, the OME-MS52W can automatically select an input source based on detection of the 5 volt hot plug detect (HPD) signal, as well as active video. This ensures reliable auto-switching operation for all video sources, including DVRs, DisplayPort / Mini DisplayPort adapters, and other devices that always maintain the HPD line at the 5 volt "high" state but may not be delivering active video.