

Touch-Free Meeting Room

When business begins to return to a “new normal,” it will likely be with guidelines to protect employee safety and continue preventing the spread of COVID-19. Of obvious concern is the typical meeting room AV system that requires physical interaction with communal elements such as control systems, computers, and cables. Designing meeting rooms with hands-free automation aims to eliminate these drawbacks of traditional spaces.

Needs Assessment

- Purpose** Create a fully automated meeting room AV system that allows participants to enter the room and present without touching any elements of the system.
- Display** Flat panel display of sufficient size for critical viewing by all participants
- Sources** BYOD laptops and tablets
- Control** Power on / off and source selection should be intuitive for non-frequent users
- Cable** Select the appropriate Category cabling system for the local area network



AV Routing

The Atlona **AT-OME-MS52W** 5x2 matrix switcher with USB and with wireless link mounted close to the display is the heart of the touch-free AV system. It supports native wireless AV casting so participants can share content from their devices with no app required. The OME-MS52W also supplies HDMI video and control signals to the display, as well as USB for a camera and soundbar.

Control

The OME-MS52W switcher includes a trigger I/O port that connects to an occupancy sensor or other motion detection device within the space. When meeting participants enter the room and trigger the sensor, the **Automatic Display Control** feature of the switcher sends a power-on command via RS-232, Ethernet, or CEC

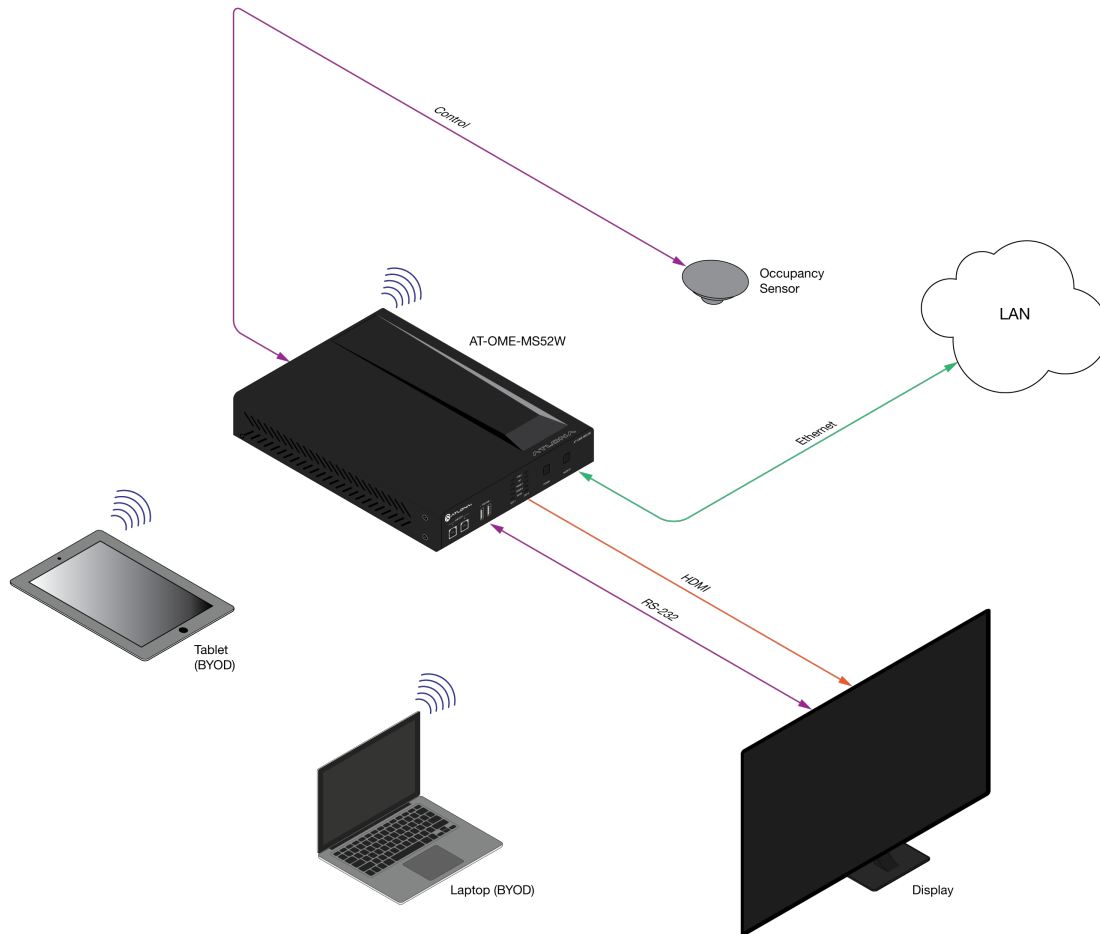
to the display. A customizable **Splash Screen** will appear on the display with instructions for connecting wireless devices to the OME-MS52W. When participants leave the room and the sensor detects no activity for a user selectable period of time, the switcher will send a power-down command to the display.

Wireless

The OME-MS52W interfaces with iOS®, Android™, Mac®, Chromebook™, and Windows® devices over Wi-Fi®, allowing screen mirroring without the need to install an app. Users can natively share material from their own devices with the group over the integrated access point, or the company Wi-Fi network. If needed, moderator mode is available, allowing the host to preview material and control what is presented on-screen.

Cabling and Connectivity

Panduit unshielded Category 6A cabling provides the highest performance at the greatest distance for delivery of LAN data to the OME-MS52W.



Touch-Free AV Bill of Materials

QTY	Description	SKU
1	Atlona 5x2 Matrix Switcher with USB and Wireless Link	AT-OME-MS52W
	Panduit Category 6A Vari-MaTriX UTP Copper Cable	PUP6AV04BU-G
	Panduit Category 6A RJ45 UTP Jack Module	CJ6X88TGBU
	Panduit Category 6A UTP Field Term RJ45 Plug	FP6X88MTG
	Panduit Category 6A 28 AWG UTP Patch Cord	UTP28X7BU
	Laptop, tablet, occupancy sensor, display, miscellaneous cabling	Furnished by others



800-777-3300 | cs@panduit.com | panduit.com



877-536-3976 | 408-962-0515 | atlona.com

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