

BYOD Conference Room

Conference rooms are designed to cater to a wide variety of presenters and media from all over the world. Technology needs to operate simply and smoothly, so that the AV doesn't overshadow sales presentations, new ideas, and collaboration that define business meetings.

Sources used in these rooms encompass a variety of types and formats including laptops and mobile devices, so the AV system must be extremely flexible.

Needs Assessment

- Purpose** This conference room shall include an AV system that allows users to share content from a BYOD device, through a wired cable connection or wireless casting
- Display** Flat panel display of sufficient size for critical viewing by all participants
- Sources** Provide HDMI®, USB-C®, and wireless connections for users to connect their personal devices
- Control** Power on/off and source selection should be intuitive for non-frequent users
- Cable** Select the appropriate cabling solutions for source devices as well as HDBaseT™ connections

Extension and Routing

The Atlona **AT-OME-MS52W** universal switcher with wireless link mounted under the meeting table provides USB-C, HDMI, DisplayPort, and wireless video connections for the presenter devices. Its HDBaseT output carries those signals to the **AT-OME-EX-RX**, mounted behind the display, up to 330 feet (100 meters) over a single Category 6A cable.

Control

The OME-MS52W switcher includes automatic display control and automatic input selection. These features allow display power and input switching to be automatically controlled based on source signal activity.

Sources

USB-C, USB, HDMI, and DisplayPort™ cables provide access to connect a presenter's BYOD device. The OME-MS52W supports screen mirroring allowing wireless presentation via AirPlay®, Google Cast™, or Miracast™.

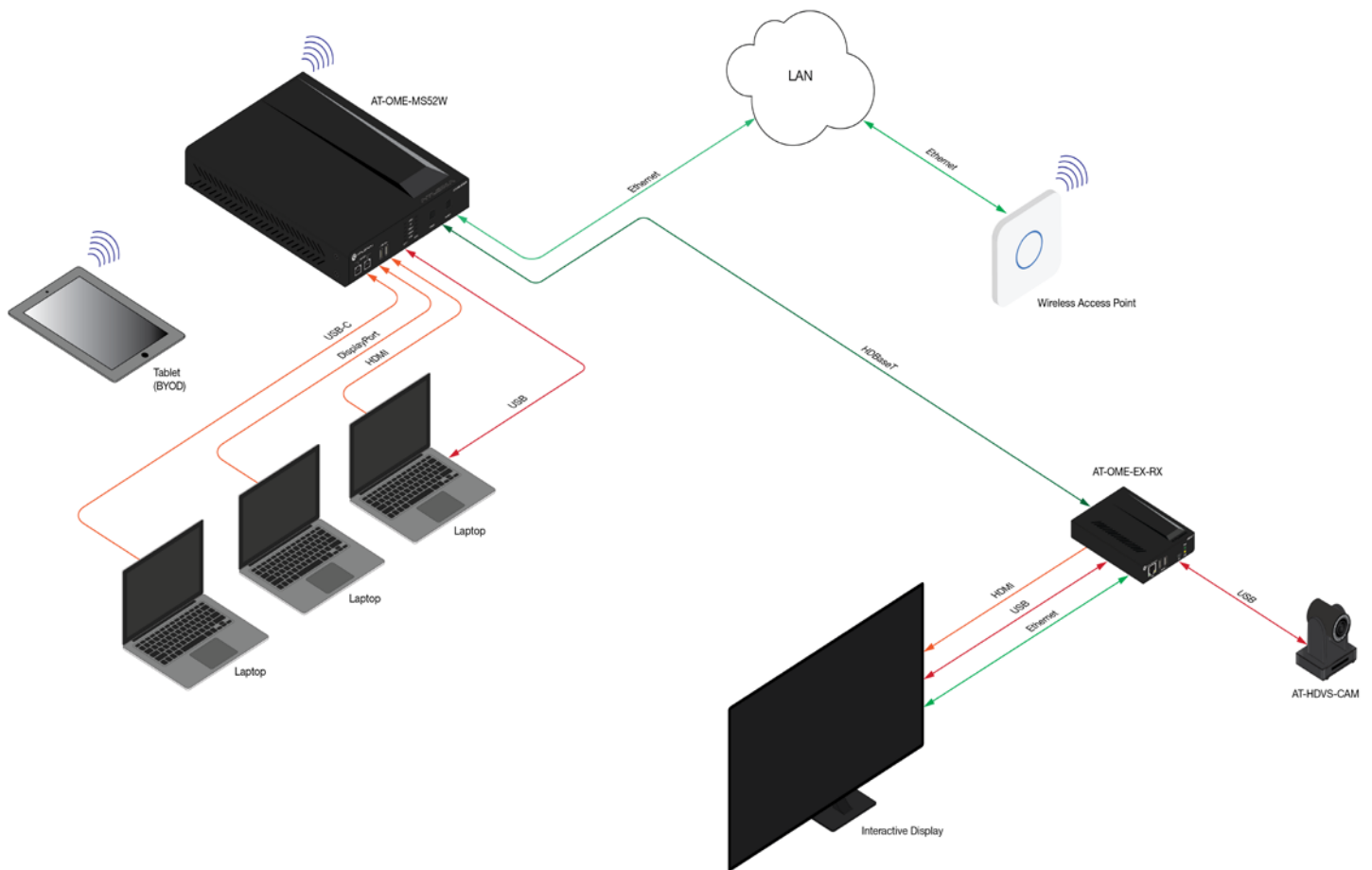
Additionally, the OME-MS52W can be used for video conferencing applications, with the Atlona **AT-HDVS-CAM** PTZ camera interfaced into the OME-EX-RX at the display.



Cable, Connectivity, and Management

The Atlona **Pocket™ 3H (AT-PKT-3H)** is installed in the table to manage access to AV source connection cables including the Atlona **AT-LC-UC2UC LinkConnect™** USB-C to USB-C cable and **AT-LC-H2H** LinkConnect HDMI to HDMI cable. A channel of Panduit's low-profile **Pan-Way® Above Floor Raceway** beneath the table routes cables such as HDBaseT and power to the wall.

Panduit's shielded Category 6A cabling system delivers the best performance for HDBaseT transmission between the OME-MS52W and OME-EX-RX, guarding against EMI to protect signal delivery.



BYOD Conference Room Bill of Materials

QTY	Description	SKU
1	Atlona 5x2 Matrix Switcher with USB Hub and Wireless Link	AT-OME-MS52W
1	Atlona HDBaseT Receiver with USB Hub	AT-OME-EX-RX
1	Atlona PTZ Camera with USB	AT-HDVS-CAM
1	Atlona 2 meter LinkConnect USB-C to USB-C Cable	AT-LC-UC2UC-2M
1	Atlona 2 meter LinkConnect HDMI to HDMI Cable	AT-LC-H2H-2M
1	Architectural Cable Access Enclosure	AT-PKT-3H
1	Panduit Pan-Way Above Floor Raceway	Varies
	Panduit Category 6A U/FTP Copper Cable	PUPF6X04BU-UG
	Panduit Category 6A RJ45 Shielded Jack Module	CJS6X88TGY
	Panduit Category 6A Shielded Field Term RJ45 Plug	FPS6X88MTG
	Panduit Category 6A Shielded Patch Cord	STP6X7BL



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