

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 wireless 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
- Audio** Sound from personal devices or media player shall be routed to a soundbar
- Cable** Select the appropriate cabling solutions for source devices as well as HDBaseT connections

Extension and Routing

The Atlona **AT-UHD-SW-510W** universal switcher with wireless link mounted under the meeting table provides USB-C, HDMI, DisplayPort, and wireless video connections for the user's device and in-room PC. Its HDBaseT output carries those signals to the **AT-OME-RX11**, mounted behind the display, up to 330 feet (100 meters) over a single Category 6A cable.

Control

The UHD-SW-510W 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

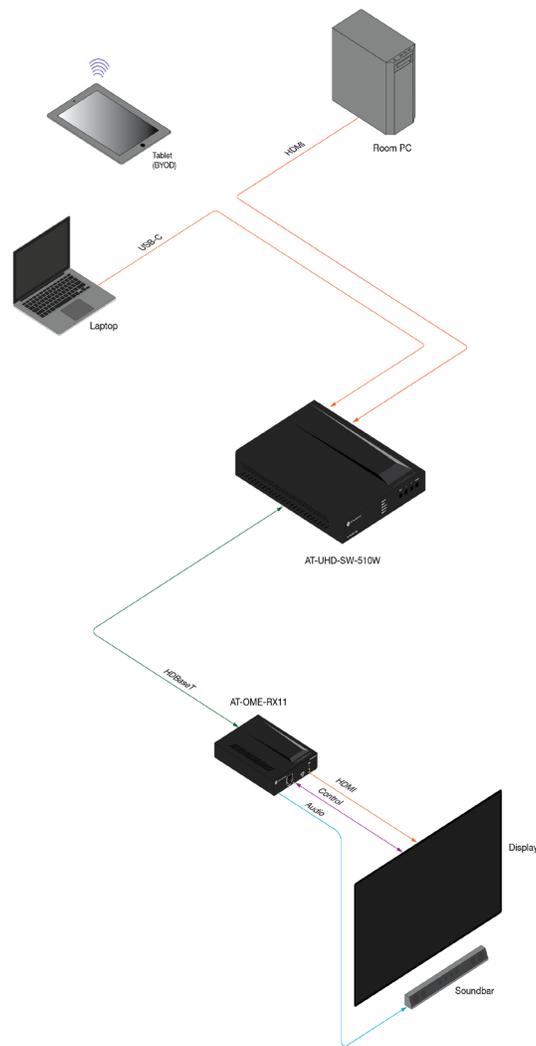
An in-room PC is connected to the switcher via HDMI. USB-C and HDMI cables provide access to connect a presenter's BYOD device. The UHD-SW-510W supports screen mirroring allowing wireless presentation via AirPlay®, Google Cast™, or Miracast™.



Cable, Connectivity, and Management

Panduit's **PND100** nook style table box installed in the table manages access to cables and power. It includes two Type A USB power connections for charging user devices, as well as pass-through for source connections 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. A Panduit **CMBSWH** small in-wall box provides an area for equipment mounting and connections behind the display.

Panduit's shielded Category 6A cabling system delivers the best performance for HDBaseT transmission between the UHD-SW-510W and OME-RX11, guarding against EMI to protect signal delivery.



BYOD Conference Room Bill of Materials

QTY	Description	SKU
1	Atlona Universal Switcher with Wireless Link	AT-UHD-SW-510W
1	Atlona HDBaseT Receiver for HDMI with Audio	AT-OME-RX11
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	Panduit Nook Style Table Box	PND100
1	Panduit Pan-Way Above Floor Raceway	Varies
1	Panduit Small In-Wall Box	CMBBSWH
	Panduit Category 6A U/FTP Copper Cable	PUFP6X04BU-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



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



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

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