Two-Input EU/UK Wallplate Switcher
for HDMI and USB-C with HDBaseT™ Output

Introduction

The Atlona **AT-OME-TX21-WP-E** is a 2×1 switcher and HDBaseT transmitter with HDMI and USB-C inputs. It is designed for commercial installations in Europe. The OME-TX21-WP-E includes interchangeable EU and UK faceplates and brackets, with black and white faceplates for each version. The USB-C input is ideal for AV interfacing with newer Mac®, Chromebook™, and Windows®PCs, as well as smartphones and tablets. Video signals up to 4K/UHD @ 60 Hz with 4:2:0 chroma subsampling, plus embedded audio and control can be transmitted up to 330 feet (100 meters). The OME-TX21-WP-E is HDCP 2.2 compliant. It is designed for use with Omega™ Series receivers and switchers, select HDVS Series receivers, the AT-UHD-EX-100CE-RX-PSE receiver, and other Atlona switchers with HDBaseT inputs. This transmitter can serve as an integral component of a fully automated AV system, with the convenience of automatic input selection and display control. It is remotely powered by Atlona HDBaseT-equipped devices through Power over Ethernet (PoE).

Applications

- **Complete system integration**
  The OME-TX21-WP-E and a compatible HDBaseT receiver provide a compact, yet comprehensive and cost-effective integration solution.

- **Larger system applications**
  The OME-TX21-WP-E is ideal for extending AV connectivity from a central equipment rack to lecterns as well as remote wall and floor box locations, where presenters can easily access the system.

Key Features

Two-gang enclosure for EU and UK wallplate openings – interchangeable EU and UK trim kits, each in black or white

• Allows inconspicuous installation on a wall, in furniture, or in a floor box. Includes EU and UK faceplates and brackets, with black and white faceplates for each version.

• Meets end user requirements for conveniently accessible yet discreet AV connectivity.

2×1 HDBaseT switcher with HDMI and USB-C* inputs

• Immediate compatibility with laptops and tablets with USB-C ports supporting AV.

• No need to provide USB-C to HDMI adapters.

HDBaseT transmitter for AV, power, and control up to 330 feet (100 meters)

• Uses easy-to-integrate category cable for low-cost, reliable system installation.

• Can easily be mixed and matched with Atlona power sourcing (PSE) receivers and switchers depending on system design requirements.

HDCP 2.2 compliant

• Adheres to latest specification for High-bandwidth Digital Content Protection.

• Allows protected content stream to pass between authenticated devices.

Remotely powered via PoE (Power over Ethernet)

• Power for transmitter is supplied by Atlona receiver or switcher over HDBaseT.

• Saves time and integration costs.

Automatic input selection and automatic display control

• Automatically changes display power state, and switches between inputs based on device connection or disconnection (hot-plug detection) from the switcher. Also can be configured to power off display after a period of inactivity.

• Enables effortless, automated system operation without the need for an external control system.

TCP/IP and RS-232 control of switcher

• Flexible control options for compatibility with Velocity™ and third-party control systems. TCP/IP control available through a compatible receiver or HDBaseT-equipped switcher.

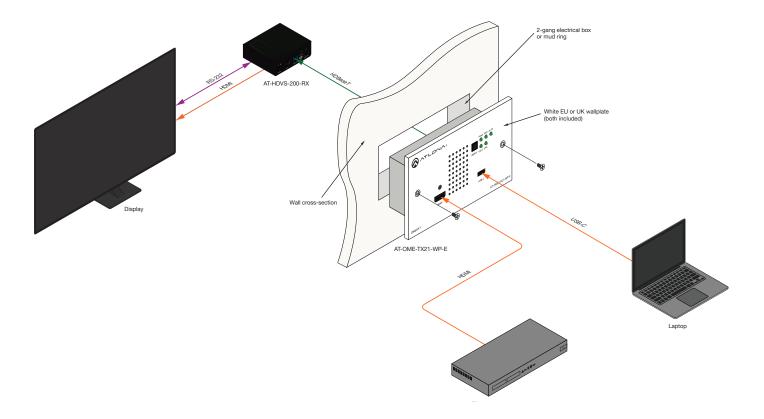• Reduces integration time and costs.

Award-winning 10 year limited product warranty

• Ensures long-term product reliability and performance in residential and commercial systems.

• Specify, purchase, and install with confidence.

* USB-C port does not support USB data or device powering.

Connection Diagram

2-gang electrical box
or mud ring

AT-HDVS-200-RX

White EU or UK wallplate
(both included)

RS-232

HDMI

HDBaseT

Display

Wall cross-section

AT-OME-TX21-WP-E

USB-C

HDMI

Laptop

Specifications

Connectors, Controls, and Indicators	
HDMI	1 - Type A, 19-pin female, locking
USB-C*	1- USB Type-C, 24-pin, female
RS-232	1 - 3-pin captive screw
HDBaseT OUT	1- RJ45
INPUT	1 - Push button, tact-type
RESET	1 - momentary, tact-type
IP	1 - momentary, tact-type
TEST (future use)	1 - momentary, tact-type
HDMI	1 - LED, green
USB-C	1 - LED, green
PWR	1 - LED, green
LINK	1 - LED, green
AUTO	1 - LED, green

* The USB-C port *does not* support data or charging of external devices.

Video	
UHD/HD/SD	4096×2160@24/25/30/50*/60Hz*, 3840×2160@24/25/30/50*/60Hz*, 2048x1080p, 1080p@23.98/24/25/29.97/30/50/59.94/60Hz, 1080i@50/59.94/60Hz, 720p@50/59.94/60Hz, 576p, 576i, 480p, 480i
VESA	2560×2048, 2560×1600, 2048×1536, 1920×1200, 1680×1050, 1600×1200, 1600×900, 1440×900, 1400×1050, 1366×768, 1360×768, 1280×1024, 1280×800 1280×768, 1152×768, 1024×768, 800×600, 640×480
Color Space	YUV, RGB
Chroma Subsampling	4:4:4, 4:2:2, 4:2:0
Color Depth	8-bit, 10-bit, 12-bit

Audio	
HDMI IN / HDBaseT OUT	PCM 2Ch, LPCM 5.1, LPCM 7.1, Dolby® Digital, DTS® 5.1, Dolby Digital Plus, Dolby TrueHD, DTS-HD Master Audio™
Sample Rate	32 kHz, 44.1 kHz, 48 kHz, 88.2 kHz, 96 kHz, 176.4 kHz, 192 kHz
Bit Rate	24-bit (max.)

Resolution / Distance	4K/UHD - Feet / Meters		1080p - Feet / Meters	
HDMI IN / OUT	15	5	30	10
CAT-5e / CAT-6	230	70	330	100
CAT-6a / CAT-7	230	70	330	100

Signal	
Bandwidth	10.2 Gbps
HDMI	2.0
CEC	Yes
HDCP	2.2

Temperature	Fahrenheit	Celsius
Operating	32 to 122	0 to 50
Storage	-4 to 140	-20 to 60
Humidity (RH)	20% to 90%, non-condensing	

Power	
Consumption	10.2 W

Dimensions	
Wall	Two-gang

Weight	Pounds	Kilograms
Device	0.50 lbs	0.23 kg

Certification	
Unit	CE, FCC