



### Introduction

The Atlona **AT-OME-EX-RX** is an HDBaseT receiver for video up to 4K/60 4:2:0, plus embedded audio, control, Ethernet, and USB over distances up to 330 feet (100 meters). Part of the Omega<sup>™</sup> Series of integration products for modern AV communications and collaboration, the OME-EX-RX is HDCP 2.2 compliant and receives IR, RS-232, and IP control signals. With a matching HDBaseT transmitter, 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-EX-RX includes two USB interfaces for devices such as a camera, soundbar, or display. This receiver is ideal for use with Omega Series transmitters as well as switchers with HDBaseT outputs. Also available is the OME-EX-KIT which includes the OME-EX-TX and OME-EX-RX<sup>(1)</sup>.

## **Applications**

• **Complete system integration** The OME-EX-RX and an Omega Series switcher together provide a comprehensive and cost-effective integration solution for meeting rooms and other AV presentation spaces.

#### Video conferencing and interactive displays

The OME-EX-RX and a compatible Omega Series transmitter or switcher are ideal for soft codec and web-based conferencing applications, with the ability to integrate with PCs, cameras, speakerphones, and microphones. They can also provide AV and USB extension for a touch-enabled display, allowing remote PC control at a meeting table or other location.



## **Key Features**

#### Video, audio, power, and data over category cable utilizing HDBaseT technology

- Receives HDMI up to 330 feet (100 meters) @ 1080p with CAT5e/6 or 4K/UHD using CAT6a/7 cable.
- Uses easy-to-integrate category cable for low-cost, reliable system installation.

#### USB 2.0 interfacing and extension<sup>(2)</sup> up to 330 feet (100 meters)

- Two USB type A ports for peripheral devices such as a camera or display.
- Supports USB 2.0 devices, USB 3.0 devices compatible with USB 2.0, and legacy USB 1.x peripherals.
- Provides an ideal USB integration solution for software video conferencing and other applications.

#### 4K/UHD capability @ 60 Hz with 4:2:0 chroma subsampling

- Compatible with sources up to 4K/60 4:2:0 and 4K/30 4:4:4.
- Supports HDMI data rates up to 10 Gbps from PCs, media players, and Ultra HD Blu-ray players.

#### 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 over HDBaseT, or locally powered

- Industry standard IEEE 802.3af PoE is supplied by an Omega Series switcher over HDBaseT.
- Also can be locally powered, and supply IEEE 802.3af PoE over HDBaseT to an Omega Series transmitter. Includes AC power supply.

#### HDBaseT receiver for HDMI, Ethernet, power, control, and USB up to 330 feet (100 meters)

- Receives HDMI up to 330 feet (100 meters) @ 1080p with CAT5e/6 or 4K/UHD using CAT6a/7 cable.
- Uses easy-to-integrate category cable for low-cost, reliable system installation.

#### Multi-channel audio compliant

- Passes through multi-channel audio formats.
- Supports PCM, Dolby<sup>®</sup> Digital, Dolby Digital Plus<sup>™</sup>, Dolby TrueHD, Dolby Atmos<sup>®</sup>, DTS<sup>®</sup> Digital Surround<sup>™</sup>, DTS-HD Master Audio<sup>™</sup>, and DTS:X<sup>®</sup>.

#### Field-updatable firmware

• Device can be updated in the field via the USB port

#### Front panel power and signal status LEDs

- LED indicators provide power and HDBaseT link status information.
- Provides convenient setup and troubleshooting.



## **Key Features (continued)**

Low-profile, 1.02 inch (26 mm) high enclosure

• Easy installation into confined spaces below tables, in furniture, and behind or above displays.

#### **Included accessories**

• Installation guide, surface mounting hardware, and external universal power supply.



## **Specifications**

Video				
Signal	Input - HDBaseT Output - HDMI			
Copy Protection	HDCP 2.2			
Pixel Clock	300 MHz			
UHD/HD/SD	4096×2160 (DCI) @ 60 <sup>(3)</sup> /30, 3840×2160 (UHD) @ 60 <sup>(3)</sup> /50 30 Hz	0/24/25/ 30 19	0/50/59.94/6 020x1080i @	@ 23.98/24/25/29.97/ 60 Hz @ 25/29.97/30 Hz, 9 30/50/59.94/60 Hz
VESA All resolutions are 60Hz	2560×2048 2560×1600 2048×1536 1920×1200 1680×1050 1600×1200 1600×900 1440×900 1400×1050	13 12 12 12 12 11 10 80	366×768 360×768 280×1024 280×800 280×768 152×768 024×768 00×600 40×480	
VESA 21:9	2560x1080 @ 30 Hz 4:4:4 2560x1080 @ 60 Hz 4:4:4 3440x1440 @ 30 Hz 4:4:4			50 Hz 4:4:4 30 Hz 4:4:4
Color Space	YUV, RGB			
Chroma Subsampling	4:4:4, 4:2:2, 4:2:0			
Color Depth	8-bit, 10-bit, 12-bit			
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Audio HDMI / HDBaseT Pass-Through Formats	PCM 2.0 LPCM 5.1 LPCM 7.1	Dolby® Digital Dolby Digital Plu Dolby TrueHD Dolby Atmos®	JS™	DTS® Digital Surround™ DTS-HD Master Audio™ DTS:X®
Bit Depth	Up to 24 bits			
Sample Rate	32 kHz, 44.1 kHz, 48 kHz, 88.2 kHz, 96 kHz, 176.4 kHz, 192 kHz			

Resolution / Distance	4K/UHD - Feet / Met	ers	1080p - Feet / Meter	S
HDMI IN/OUT	15	5	30	10
CAT5e	295	90	330	100
CAT6/6a/7	330	100	330	100

USB	
Signal	2.0
Maximum Data Rate	120 Mbps
Internal Hubs	1 USB hub



RS-232       Pass-through from control system to sink device Supported baud rates: 2400, 4800, 9600, 19200, 38400, 57600, 115200         IP       Pass-through from control system to sink device Supports up to 100 Mbps over HDBaseT         IR       Pass-through from control system to sink device         CEC Support       Yes         Buttons and Indicators       Indicators:         INK       1 x LED, green         LINK       1 x LED, green         LINK       1 x Type A, 19-pin female         HDMI OUT       1 x Type A, 19-pin female         HDBaseT IN       N/A         DEVICE       2 x USB Type A         LAN       1 x A-pin captive screw (1 x RS-232, 1 x IP)         FW       1 x Type mini-B, 5-pin female         DC 48V       1 x 2-pin captive screw         Environmental       Fahrenheit       Celsius         Operating Temperature       0 to +122       -18 to -50         Storage Temperature       0 to +12       -18 to -50         Operating Humidity (RH)       20% to 90%, non-condensing       -20 to +60         Operating Humidity (RH)       20% to 90%, non-condensing       -20 to +60         Output: 48 V / 0.83 A DC       UIT (TX / RX)       1.02 x 4.29 x 5.00       26 x 109 x 127         Power Supply       1.42 x 1.81 x 4.41 <th>RS-232     Pass-through from control system to sink device Supported baud rates: 2400, 4800, 9600, 19200, 38400, 57600, 115200       IP     Pass-through from control system to sink device       Supports up to 100 Mbps over HDBaseT     IR       R     Pass-through from control system to sink device       CEC Support     Yes       Buttons and Indicators     Indicators:       PWR     1 x LED, green       LINK     1 x LED, yellow       Concetors     Ves       PUNI OUT     1 x Type A, 19-pin female       HDBaseT IN     N/A       DEVICE     2 x USB Type A       LAN     1 x RJ45       RS-232 / IR     1 x 4-pin captive screw (1 x RS-232, 1 x IR)       FW     1 x Type mini-B, 5-pin female       DC 48V     1 x 2-pin captive screw (1 x RS-232, 1 x IR)       FW     1 x Type mini-B, 5-pin female       DC 48V     1 x 2-pin captive screw       Consectors     Celsius       Operating Temperature     0 to +122       -18 to +50     Storage Temperature       Operating Humidity (RH)     20% to 90%, non-condensing       Fower     2.5 W per USB device interface       External Power Supply     100 - 240 V AC, 50/60 Hz Output: 48 V / 0.83 A DC       Dimensions (H x W x D)     Inches       Millimeters     Millimeters       Unit (</th> <th>Control</th> <th></th> <th></th>	RS-232     Pass-through from control system to sink device Supported baud rates: 2400, 4800, 9600, 19200, 38400, 57600, 115200       IP     Pass-through from control system to sink device       Supports up to 100 Mbps over HDBaseT     IR       R     Pass-through from control system to sink device       CEC Support     Yes       Buttons and Indicators     Indicators:       PWR     1 x LED, green       LINK     1 x LED, yellow       Concetors     Ves       PUNI OUT     1 x Type A, 19-pin female       HDBaseT IN     N/A       DEVICE     2 x USB Type A       LAN     1 x RJ45       RS-232 / IR     1 x 4-pin captive screw (1 x RS-232, 1 x IR)       FW     1 x Type mini-B, 5-pin female       DC 48V     1 x 2-pin captive screw (1 x RS-232, 1 x IR)       FW     1 x Type mini-B, 5-pin female       DC 48V     1 x 2-pin captive screw       Consectors     Celsius       Operating Temperature     0 to +122       -18 to +50     Storage Temperature       Operating Humidity (RH)     20% to 90%, non-condensing       Fower     2.5 W per USB device interface       External Power Supply     100 - 240 V AC, 50/60 Hz Output: 48 V / 0.83 A DC       Dimensions (H x W x D)     Inches       Millimeters     Millimeters       Unit (	Control				
Supported baud rates: 2400, 4800, 9600, 19200, 38400, 57600, 115200         IP       Pass-through from control system to sink device         Supports up to 100 Mbps over HDBaseT         IR       Pass-through from control system to sink device         CEC Support       Yes         Buttons and Indicators       Indicators:         PWR       1 x LED, green         LINK       1 x LED, yellow         Connectors       HDMI OUT         HDMI OUT       1 x Type A, 19-pin female         HDBaseT IN       N/A         DEVICE       2 x USB Type A         LAN       1 x L45         RS-232 / IR       1 x 4-pin captive screw (1 x RS-232, 1 x IR)         FW       1 x Type mini-B, 5-pin female         DC 48V       1 x 2-pin captive screw         Environmental       Fahrenheit       Celsius         Operating Temperature       0 to +122       -18 to +50         Storage Temperature       -20 to e60       -20 to e60         Operating Humidity (RH)       20% to 90%, non-condensing       External Power Supply         Output: 48 V / 0.83 A DC       Ust 82 K 00 x 127       -20 to pa 127         Dimensions (H x W x D)       Inches       Millimeters         Unit (TX / RX)       1.02 x 4.29 x 5.00	Supported baud rates: 2400, 4800, 9600, 19200, 38400, 57600, 115200IPPass-through from control system to sink device Supports up to 100 Mbps over HDBaseTIRPass-through from control system to sink deviceCEC SupportYesButtors and IndicatorsIndicators: PWRIndicators:I x LED, green 1 x LED, yellowConnectorsI x Type A, 19-pin femaleHDMI OUT1 x Type A, 19-pin femaleHDBaseT INN/ADEVICE2 x USB Type ALAN1 x RJ45RS-232 / IR1 x 4-pin captive screw (1 x RS-232, 1 x IR)FW1 x Type mini-B, 5-pin femaleDC 48V1 x 2-pin captive screw (1 x RS-232, 1 x IR)FW1 x 2-pin captive screw (1 x RS-232, 1 x IR)FW1 x 2-pin captive screw (1 x RS-232, 1 x IR)FW1 x 2-pin captive screw (1 x RS-232, 1 x IR)FW1 x 2-pin captive screw (1 x RS-232, 1 x IR)FW1 x 2-pin captive screw (1 x RS-232, 1 x IR)FW1 x 2-pin captive screw (1 x RS-232, 1 x IR)FW1 x 2-pin captive screwConsumption18.76 W USB PowerUSB Power2.5 W per USB device interfaceExternal Power Supply100 - 240 V AC, 50/60 Hz Output: 48 V/0.83 A DCDimensions (H x W x D)Inches MillemetersUnit (TX / RX)1.02 x 4.29 x 5.00 1.02 x 4.29 x 5.00 Output: 48 V/0.83 A DCDimensions (H x W x D)Inches MillemetersUnit (TX / RX)1.02 x 4.29 x 5.00 2.6 x 109 x 1127 Power Supply (AT-PS-48083-D3)		Deep through from a sector law to a			
Supports up to 100 Mbps over HDBaseT       IR     Pass-through from control system to sink device       CEC Support     Yes       Buttons and Indicators     Indicators:       Indicators:     PWR       LINK     1 x LED, green       LINK     1 x LED, yellow       Connectors     Image: Connectors       HDMI OUT     1 x Type A, 19-pin female       HDBaseT IN     N/A       DEVICE     2 x USB Type A       LAN     1 x RJ45       RS-232 / IR     1 x 4-pin captive screw (1 x RS-232, 1 x IR)       FW     1 x Type mini-B, 5-pin female       DC 48V     1 x 2-pin captive screw       Consumption     0 to +122       -18 to +50       Storage Temperature     0 to +122       -18 to +60     -20 to +60       Operating Temperature     0 to +12       -18 to +60     -20 to +60       Operating Humidity (RH)     20% to 90%, non-condensing       Power     2.5 W per USB device interface       External Power Supply     2.5 W per USB device interface       External Power Supply     1.02 x 4.29 x 5.00     26 x 109 x 127       Power Supply     1.42 x 1.81 x 4.41     36 x 46 x 112	Supports up to 100 Mbps over HDBaseT       IR     Pass-through from control system to sink device       CEC Support     Yes       Buttons and Indicators     Indicators:       PWR     1 x LED, green       LINK     1 x LED, green       LINK     1 x Type A, 19-pin female       HDMI OUT     1 x Type A, 19-pin female       HDBaseT IN     N/A       DEVICE     2 x USB Type A       LAN     1 x Auf5       RS-232 / IR     1 x 4-pin captive screw (1 x RS-232, 1 x IR)       FW     1 x Type mini-B, 5-pin female       DC 48V     1 x 2-pin captive screw       Environmental     Fahrenheit       Operating Temperature     0 to +122       Operating Humidity (RH)     20% to 90%, non-condensing       Power     Consumption       Consumption     18.76 W       USB Power     2.5 W per USB device interface       External Power Supply     100 - 240 V AC, 50/60 Hz       Output: 48 V 0.83 A DC     Unit (TX FX)       Dimensions (H x W x D)     Inches       Millimeters     Millimeters       Unit (TX FRX)     1.42 x 1.81 x 4.41       36 x 46 x 112       Weight     Pounds       Vieght     Pounds       Use     Vieght	RS-232				
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CEC Support       Yes         Buttons and Indicators       Indicators:         PWR       1 x LED, green         LINK       1 x LED, yellow         Connectors       I x Type A, 19-pin female         HDB OUT       1 x Type A, 19-pin female         HDBaseT IN       N/A         DEVICE       2 x USB Type A         LAN       1 x RJ45         RS-232 / IR       1 x 4-pin captive screw         (1 x RS-232, 1 x IR)       1 x 4-pin captive screw         FW       1 x Type min-B, 5-pin female         DC 48V       1 x 2-pin captive screw         Environmental       Fahrenheit       Celsius         Operating Temperature       0 to +122       -18 to +50         Storage Temperature       -4 to +140       -20 to +60         Operating Humidity (RH)       20% to 90%, non-condensing       Image: Consumption         Power       2.5 W per USB device interface       External Power Supply         Consumption       18.76 W       UsB A DC         Dimensions (H × W × D)       Inches       Millimeters         Unit (TX / RX)       1.02 × 4.29 × 5.00       26 × 109 × 127         Power Supply       1.42 × 1.81 × 4.41       36 × 46 × 112	CEC Support     Yes       Buttons and Indicators     Ix LED, green       Indicators:     1 x LED, yellow       Connectors     Image: State	IB				
Buttons and Indicators         Indicators:         Indicators:         PWR         LINK         1 x LED, green         LINK         1 x LED, yellow         Connectors         HDB aseT IN         N/A         DEVICE         2 x USB Type A         LAN       1 x RJ45         RS-232 / IR       1 x 4-pin captive screw (1 x RS-232, 1 x IR)         FW       1 x Type mini-B, 5-pin female         DC 48V       1 x 2-pin captive screw         Environmental       Fahrenheit         Operating Temperature       0 to +122         Operating Temperature       0 to +122         Operating Temperature       0 to +122         Operating Humidity (RH)       20% to 90%, non-condensing         Power       2.5 W per USB device interface         Consumption       18.76 W         USB Power       2.5 W per USB device interface         External Power Supply       100 - 240 V AC, 50/60 Hz         Output: 48 V / 0.83 A DC       26 x 109 x 127         Power Supply       1.42 x 1.81 x 4.41       36 x 46 x 112         Power Supply       1.42 x 1.81 x 4.41       36 x 46 x 112	Buttons and Indicators       I x LED, green         PWR       1 x LED, yellow         Connectors       I x LED, yellow         Connectors       I x LED, yellow         Connectors       I x Type A, 19-pin female         HDMI OUT       1 x Type A, 19-pin female         HDBaseT IN       N/A         DEVICE       2 x USB Type A         LAN       1 x RJ45         RS-232 / IR       1 x 4-pin captive screw (1 x RS-232, 1 x IR)         FW       1 x Type mini-8, 5-pin female         DC 48V       1 x 2-pin captive screw         Environmental       Fahrenheit       Celsius         Operating Temperature       0 to +122       -18 to +50         Storage Temperature       0 to +122       -18 to +50         Operating Temperature       0 to +122       -18 to +50         Operating Humidity (RH)       20% to 90%, non-condensing       -20 to +60         Operating Power       2.5 W per USB device interface		· · ·			
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PWR LINK $1 \times LED, green$ $1 \times LED, yellowConnectorsHDMI OUT1 \times Type A, 19-pin femaleHDBaseT INN/ADEVICE2 \times USB Type ALAN1 \times RJ45RS-232 / IR1 \times 4-pin captive screw(1 \times RS-232, 1 \times IR)FW1 \times Type mini-B, 5-pin femaleDC 48V1 \times 2-pin captive screwEnvironmentalFahrenheitCleaseCleaseOperating Temperature0 \text{ to } +122Storage Temperature0 \text{ to } +122Operating Humidity (RH)20\% to 90%, non-condensingPower2.5 \text{ W per USB device interface}External Power Supply100 - 240 \text{ VAC}, 50/60 \text{ Hz}Output: 48 \text{ V} / 0.83 \text{ A DC}Dimensions (H x W x D)InchesDimensions (H x W x D)InchesUnit (TX / RX)1.02 \times 4.29 \times 5.00Dimensions (H x W x D)InchesValuesMillimetersUnit (TX / RX)1.42 \times 1.81 \times 4.41Group Supply36 \times 46 \times 112$	PWR LINK       1 x LED, green 1 x LED, yellow         Connectors	Buttons and Indicators				
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HDMI OUT1 x Type A, 19-pin femaleHDBaseT INN/ADEVICE2 x USB Type ALAN1 x RU45RS-232 / IR1 x 4-pin captive screw (1 x RS-232, 1 x IR)FW1 x Type min-B, 5-pin female DC 48VDC 48V1 x 2-pin captive screwEnvironmentalFahrenheitCelsiusOperating Temperature0 to +122-18 to +50Storage Temperature-4 to +140-20 to +60Operating Humidity (RH)20% to 90%, non-condensingPowerConsumption18.76 WUSB Power2.5 W per USB device interfaceExternal Power Supply100 - 240 V AC, 50/60 Hz Output: 48 V / 0.83 A DCDimensions (H x W x D)InchesMillimetersUnit (TX / RX) $1.02 \times 4.29 \times 5.00$ 26 x 109 x 127Power Supply $1.42 \times 1.81 \times 4.41$ 36 x 46 x 112	HDMI OUT1 x Type A, 19-pin femaleHDBaseT INN/ADEVICE2 x USB Type ALAN1 x RJ45RS-232 / IR1 x A-pin captive screw (1 x R5-232, 1 x IR)FW1 x Type mini-B, 5-pin femaleDC 48V1 x 2-pin captive screwEnvironmentalFahrenheitOperating Temperature0 to +122Operating Temperature0 to +122Operating Humidity (RH)20% to 90%, non-condensingPowerColsumptionConsumption18.76 WUSB Power2.5 W per USB device interfaceExternal Power Supply100 - 240 V AC, 50/60 Hz Output: 48 V / 0.83 A DCDimensions (H x W x D)InchesMillimetersUnit (TX / RX)1.02 x 4.29 x 5.00Power Supply (AT-PS-48083-D3)1.42 x 1.81 x 4.41WeightPoundsWeightPoundsKilogramsWeightPounds	LINK	1 x LED, yellow			
HDBaseT INN/ADEVICE $2 \times USB$ Type ALAN $1 \times RJ45$ RS-232 / IR $1 \times 4$ -pin captive screw ( $1 \times RS-232$ , $1 \times IR$ )FW $1 \times Type$ mini-B, 5-pin femaleDC 48V $1 \times 2$ -pin captive screwEnvironmentalFahrenheitCelsiusOperating Temperature0 to +122-18 to +50Storage Temperature-4 to +140-20 to +60Operating Humidity (RH)20% to 90%, non-condensingPowerConsumption18.76 WUSB Power2.5 W per USB device interfaceExternal Power Supply100 - 240 V AC, 50/60 Hz Output: 48 V / .83 A DCDimensions (H x W x D)InchesMillimetersUnit (TX / RX)1.02 x 4.29 x 5.0026 x 109 x 127Power Supply1.42 x 1.81 x 4.4136 x 46 x 112	HDBaseT INN/ADEVICE2 x USB Type ALAN1 x RJ45RS-232 / IR1 x 4-pin captive screw (1 x RS-232, 1 x IR)FW1 x Type mini-B, 5-pin femaleDC 48V1 x 2-pin captive screwCelsiusOperating Temperature0 to +122Operating Temperature0 to +122-18 to +50Storage Temperature-4 to +140-20 to +60Operating Humidity (RH)20% to 90%, non-condensingPowerConsumption18.76 WUSB Power2.5 W per USB device interfaceExternal Power Supply1.02 x 4.29 x 5.00Unit (TX / RX)1.02 x 4.29 x 5.00Unit (TX / RX)1.42 x 1.81 x 4.41WeightPoundsWeightPoundsKilogramsDevice0.94Otage0.43	Connectors				
DEVICE $2 \times USB Type A$ LAN $1 \times RJ45$ RS-232 / IR $1 \times 4$ -pin captive screw ( $1 \times RS-232, 1 \times IR$ )FW $1 \times Type mini-B, 5$ -pin femaleDC 48V $1 \times 2$ -pin captive screwEnvironmentalPahrenheitCelsiusOperating Temperature $0 \text{ to } +122$ $-18 \text{ to } +50$ Storage Temperature $-4 \text{ to } +140$ $-20 \text{ to } +60$ Operating Humidity (RH) $20\% \text{ to } 90\%$ , non-condensingPowerConsumption $18.76 \text{ W}$ USB Power $2.5 \text{ W per USB device interface}$ External Power Supply $100 - 240 \text{ V AC}, 50/60 \text{ Hz}$ Unit (TX / RX) $1.02 \times 4.29 \times 5.00$ $26 \times 109 \times 127$ Power Supply $1.42 \times 1.81 \times 4.41$ $36 \times 46 \times 112$	DEVICE2 x USB Type ALAN1 x RJ45RS-232 / IR1 x 4-pin captive screw (1 x RS-232, 1 x IR)FW1 x Type min-B, 5-pin femaleDC 48V1 x 2-pin captive screwEnvironmentalEahrenheitOperating Temperature0 to +122-18 to +50Storage Temperature-4 to +140-20 to +60Operating Humidity (RH)20% to 90%, non-condensingPowerConsumption18.76 WUSB Power2.5 W per USB device interfaceExternal Power Supply100 - 240 V AC, 50/60 Hz Output: 48 V / 0.83 A DCDimensions (H x W x D)InchesMilimetersUnit (TX / RX)1.02 x 4.29 x 5.00Power Supply (AT-PS-48083-D3)1.42 x 1.81 x 4.41WeightPoundsVeightPoundsKilogramsOutput:0.43	HDMI OUT	1 x Type A, 19-pin female			
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LAN1 x RJ45RS-232 / IR1 x 4-pin captive screw (1 x RS-232, 1 x IR)FW1 x Type mini-B, 5-pin femaleDC 48V1 x 2-pin captive screwEnvironmentalFahrenheitCelsiusOperating Temperature0 to +122-18 to +50Storage Temperature-4 to +140-20 to +60Operating Humidity (RH)20% to 90%, non-condensingPowerPowerConsumption18.76 WUSB Power2.5 W per USB device interfaceExternal Power Supply100 - 240 V AC, 50/60 Hz Output: 48 V / 0.83 A DCDimensions (H x W x D)InchesMillimetersUnit (TX / RX)1.02 x 4.29 x 5.0026 x 109 x 127Power Supply (AT-PS-48083-D3)1.42 x 1.81 x 4.4136 x 46 x 112	LAN       1 x RJ45         RS-232 / IR       1 x 4-pin captive screw (1 x RS-232, 1 x IR)         FW       1 x Type mini-B, 5-pin female         DC 48V       1 x 2-pin captive screw         Environmental       Fahrenheit       Celsius         Operating Temperature       0 to +122       -18 to +50         Storage Temperature       -4 to +140       -20 to +60         Operating Humidity (RH)       20% to 90%, non-condensing       -20 to +60         Power        -20 to +60         Consumption       18.76 W       USB Power         External Power Supply       100 - 240 V AC, 50/60 Hz Output: 48 V / 0.83 A DC       -100 x 127         Dimensions (H x W x D)       Inches       Millimeters         Unit (TX / RX)       1.02 x 4.29 x 5.00       26 x 109 x 127         Power Supply       1.42 x 1.81 x 4.41       36 x 46 x 112         Weight       Pounds       Kilograms	DEVICE	2 x USB Type A			
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Operating Temperature         0 to +122         -18 to +50           Storage Temperature         -4 to +140         -20 to +60           Operating Humidity (RH)         20% to 90%, non-condensing           Power         20% to 90%, non-condensing           Consumption         18.76 W           USB Power         2.5 W per USB device interface           External Power Supply         100 - 240 V AC, 50/60 Hz Output: 48 V / 0.83 A DC           Dimensions (H × W × D)         Inches         Millimeters           Unit (TX / RX)         1.02 × 4.29 × 5.00         26 × 109 × 127           Power Supply         1.42 × 1.81 × 4.41         36 × 46 × 112	Operating Temperature         0 to +122         -18 to +50           Storage Temperature         -4 to +140         -20 to +60           Operating Humidity (RH)         20% to 90%, non-condensing           Power	DC 48V				
Operating Temperature         0 to +122         -18 to +50           Storage Temperature         -4 to +140         -20 to +60           Operating Humidity (RH)         20% to 90%, non-condensing           Power         20% to 90%, non-condensing           Consumption         18.76 W           USB Power         2.5 W per USB device interface           External Power Supply         100 - 240 V AC, 50/60 Hz           Output: 48 V / 0.83 A DC         Output: 48 V / 0.83 A DC           Dimensions (H × W × D)         Inches         Millimeters           Unit (TX / RX)         1.02 × 4.29 × 5.00         26 × 109 × 127           Power Supply         1.42 × 1.81 × 4.41         36 × 46 × 112	Operating Temperature         0 to +122         -18 to +50           Storage Temperature         -4 to +140         -20 to +60           Operating Humidity (RH)         20% to 90%, non-condensing           Power					
Storage Temperature       -4 to +140       -20 to +60         Operating Humidity (RH)       20% to 90%, non-condensing       -20 to +60         Power       20% to 90%, non-condensing       -20 to +60         Consumption       18.76 W       -20 to +60         USB Power       2.5 W per USB device interface       -20 to +60         External Power Supply       100 - 240 V AC, 50/60 Hz       -20 to +60         Output: 48 V / 0.83 A DC       -20 to +60       -20 to +60         Dimensions (H x W x D)       Inches       Millimeters         Unit (TX / RX)       1.02 x 4.29 x 5.00       26 x 109 x 127         Power Supply       1.42 x 1.81 x 4.41       36 x 46 x 112	Storage Temperature Operating Humidity (RH)-4 to +140 20% to 90%, non-condensing-20 to +60Power Consumption20% to 90%, non-condensing-20 to +60Discrete 					
Operating Humidity (RH)20% to 90%, non-condensingPower20% to 90%, non-condensingConsumption18.76 WUSB Power2.5 W per USB device interfaceExternal Power Supply100 - 240 V AC, 50/60 Hz Output: 48 V / 0.83 A DCDimensions (H x W x D)InchesMillimetersUnit (TX / RX)1.02 x 4.29 x 5.0026 x 109 x 127Power Supply (AT-PS-48083-D3)1.42 x 1.81 x 4.4136 x 46 x 112	Operating Humidity (RH)         20% to 90%, non-condensing           Power         Image: Consumption         18.76 W           Consumption         18.76 W         Image: Consumption         2.5 W per USB device interface           USB Power         2.5 W per USB device interface         Image: Consumption         Image: Consumption           External Power Supply         100 - 240 V AC, 50/60 Hz Output: 48 V / 0.83 A DC         Image: Consumption         Image: Consumption           Dimensions (H x W x D)         Inches         Millimeters         Image: Consumption         26 x 109 x 127           Unit (TX / RX)         1.02 x 4.29 x 5.00         26 x 109 x 127         26 x 46 x 112         Image: Consumption           Veight         Pounds         Kilograms         0.43         0.43					
Power         18.76 W           USB Power         2.5 W per USB device interface           External Power Supply         100 - 240 V AC, 50/60 Hz           Output: 48 V / 0.83 A DC           Dimensions (H x W x D)         Inches           Unit (TX / RX)         1.02 x 4.29 x 5.00           Power Supply         1.42 x 1.81 x 4.41           36 x 46 x 112	Power         Image: Second secon	Operating Temperature	0 to +122	-18 to +50		
Consumption         18.76 W           USB Power         2.5 W per USB device interface           External Power Supply         100 - 240 V AC, 50/60 Hz Output: 48 V / 0.83 A DC           Dimensions (H x W x D)         Inches         Millimeters           Unit (TX / RX)         1.02 x 4.29 x 5.00         26 x 109 x 127           Power Supply (AT-PS-48083-D3)         1.42 x 1.81 x 4.41         36 x 46 x 112	Consumption         18.76 W           USB Power         2.5 W per USB device interface           External Power Supply         100 - 240 V AC, 50/60 Hz Output: 48 V / 0.83 A DC           Dimensions (H x W x D)         Inches         Millimeters           Unit (TX / RX)         1.02 x 4.29 x 5.00         26 x 109 x 127           Power Supply (AT-PS-48083-D3)         1.42 x 1.81 x 4.41         36 x 46 x 112           Weight         Pounds         Kilograms           Device         0.94         0.43	Operating Temperature Storage Temperature	0 to +122 -4 to +140	-18 to +50		
USB Power         2.5 W per USB device interface           External Power Supply         100 - 240 V AC, 50/60 Hz Output: 48 V / 0.83 A DC           Dimensions (H x W x D)         Inches         Millimeters           Unit (TX / RX)         1.02 x 4.29 x 5.00         26 x 109 x 127           Power Supply (AT-PS-48083-D3)         1.42 x 1.81 x 4.41         36 x 46 x 112	USB Power2.5 W per USB device interfaceExternal Power Supply100 - 240 V AC, 50/60 Hz Output: 48 V / 0.83 A DCDimensions (H x W x D)InchesMillimetersUnit (TX / RX)1.02 x 4.29 x 5.0026 x 109 x 127Power Supply (AT-PS-48083-D3)1.42 x 1.81 x 4.4136 x 46 x 112WeightPoundsKilogramsDevice0.940.43	Operating Temperature Storage Temperature	0 to +122 -4 to +140	-18 to +50		
External Power Supply       100 - 240 V AC, 50/60 Hz Output: 48 V / 0.83 A DC         Dimensions (H x W x D)       Inches       Millimeters         Unit (TX / RX)       1.02 x 4.29 x 5.00       26 x 109 x 127         Power Supply (AT-PS-48083-D3)       1.42 x 1.81 x 4.41       36 x 46 x 112	External Power Supply       100 - 240 V AC, 50/60 Hz Output: 48 V / 0.83 A DC         Dimensions (H x W x D)       Inches       Millimeters         Unit (TX / RX)       1.02 x 4.29 x 5.00       26 x 109 x 127         Power Supply (AT-PS-48083-D3)       1.42 x 1.81 x 4.41       36 x 46 x 112         Weight       Pounds       Kilograms         Device       0.94       0.43	Operating Temperature Storage Temperature Operating Humidity (RH)	0 to +122 -4 to +140	-18 to +50		
Dimensions (H x W x D)         Inches         Millimeters           Unit (TX / RX)         1.02 x 4.29 x 5.00         26 x 109 x 127           Power Supply (AT-PS-48083-D3)         1.42 x 1.81 x 4.41         36 x 46 x 112	Dimensions (H x W x D)         Inches         Millimeters           Unit (TX / RX)         1.02 x 4.29 x 5.00         26 x 109 x 127           Power Supply (AT-PS-48083-D3)         1.42 x 1.81 x 4.41         36 x 46 x 112           Weight         Pounds         Kilograms           Device         0.94         0.43	Operating Temperature Storage Temperature Operating Humidity (RH) Power	0 to +122 -4 to +140 20% to 90%, non-condensing	-18 to +50		
Dimensions (H x W x D)         Inches         Millimeters           Unit (TX / RX)         1.02 x 4.29 x 5.00         26 x 109 x 127           Power Supply (AT-PS-48083-D3)         1.42 x 1.81 x 4.41         36 x 46 x 112	Dimensions (H x W x D)         Inches         Millimeters           Unit (TX / RX)         1.02 x 4.29 x 5.00         26 x 109 x 127           Power Supply (AT-PS-48083-D3)         1.42 x 1.81 x 4.41         36 x 46 x 112           Weight         Pounds         Kilograms           Device         0.94         0.43	Operating Temperature Storage Temperature Operating Humidity (RH) Power Consumption	0 to +122 -4 to +140 20% to 90%, non-condensing 18.76 W	-18 to +50		
Unit (TX / RX)       1.02 x 4.29 x 5.00       26 x 109 x 127         Power Supply       1.42 x 1.81 x 4.41       36 x 46 x 112         (AT-PS-48083-D3)	Unit (TX / RX)         1.02 x 4.29 x 5.00         26 x 109 x 127           Power Supply (AT-PS-48083-D3)         1.42 x 1.81 x 4.41         36 x 46 x 112           Weight         Pounds         Kilograms           Device         0.94         0.43	Operating Temperature Storage Temperature Operating Humidity (RH) Power Consumption USB Power	0 to +122 -4 to +140 20% to 90%, non-condensing 18.76 W 2.5 W per USB device interface	-18 to +50		
Unit (TX / RX)       1.02 x 4.29 x 5.00       26 x 109 x 127         Power Supply       1.42 x 1.81 x 4.41       36 x 46 x 112         (AT-PS-48083-D3)	Unit (TX / RX)         1.02 x 4.29 x 5.00         26 x 109 x 127           Power Supply (AT-PS-48083-D3)         1.42 x 1.81 x 4.41         36 x 46 x 112           Weight         Pounds         Kilograms           Device         0.94         0.43	Operating Temperature Storage Temperature Operating Humidity (RH) Power Consumption USB Power	0 to +122 -4 to +140 20% to 90%, non-condensing 18.76 W 2.5 W per USB device interface 100 - 240 V AC, 50/60 Hz	-18 to +50		
Power Supply (AT-PS-48083-D3)         1.42 x 1.81 x 4.41         36 x 46 x 112	Power Supply (AT-PS-48083-D3)         1.42 x 1.81 x 4.41         36 x 46 x 112           Weight         Pounds         Kilograms           Device         0.94         0.43	Operating Temperature Storage Temperature Operating Humidity (RH) Power Consumption USB Power External Power Supply	0 to +122 -4 to +140 20% to 90%, non-condensing 18.76 W 2.5 W per USB device interface 100 - 240 V AC, 50/60 Hz Output: 48 V / 0.83 A DC	-18 to +50 -20 to +60		
(AT-PS-48083-D3)	(AT-PS-48083-D3)PoundsKilogramsWeightPounds0.940.43	Operating Temperature Storage Temperature Operating Humidity (RH) Power Consumption USB Power External Power Supply Dimensions (H x W x D)	0 to +122 -4 to +140 20% to 90%, non-condensing 18.76 W 2.5 W per USB device interface 100 - 240 V AC, 50/60 Hz Output: 48 V / 0.83 A DC Inches	-18 to +50 -20 to +60 Millimeters		
	Device 0.94 0.43	Operating Temperature Storage Temperature Operating Humidity (RH) Power Consumption USB Power External Power Supply Dimensions (H x W x D) Unit (TX / RX)	0 to +122 -4 to +140 20% to 90%, non-condensing 18.76 W 2.5 W per USB device interface 100 - 240 V AC, 50/60 Hz Output: 48 V / 0.83 A DC Inches 1.02 x 4.29 x 5.00	-18 to +50 -20 to +60 Millimeters 26 x 109 x 127		
Weight Pounds Kilograms	Device 0.94 0.43	Operating Temperature Storage Temperature Operating Humidity (RH) Power Consumption USB Power External Power Supply Dimensions (H x W x D) Unit (TX / RX) Power Supply	0 to +122 -4 to +140 20% to 90%, non-condensing 18.76 W 2.5 W per USB device interface 100 - 240 V AC, 50/60 Hz Output: 48 V / 0.83 A DC Inches 1.02 x 4.29 x 5.00	-18 to +50 -20 to +60 Millimeters 26 x 109 x 127		
		Operating Temperature Storage Temperature Operating Humidity (RH) Power Consumption USB Power External Power Supply Dimensions (H x W x D) Unit (TX / RX) Power Supply (AT-PS-48083-D3)	0 to +122 -4 to +140 20% to 90%, non-condensing 18.76 W 2.5 W per USB device interface 100 - 240 V AC, 50/60 Hz Output: 48 V / 0.83 A DC Inches 1.02 x 4.29 x 5.00 1.42 x 1.81 x 4.41	-18 to +50 -20 to +60 Millimeters 26 x 109 x 127 36 x 46 x 112		
	Cartification	Operating Temperature Storage Temperature Operating Humidity (RH) Power Consumption USB Power External Power Supply Dimensions (H x W x D) Unit (TX / RX) Power Supply (AT-PS-48083-D3) Weight	0 to +122 -4 to +140 20% to 90%, non-condensing 18.76 W 2.5 W per USB device interface 100 - 240 V AC, 50/60 Hz Output: 48 V / 0.83 A DC Inches 1.02 x 4.29 x 5.00 1.42 x 1.81 x 4.41 Pounds	-18 to +50 -20 to +60 Millimeters 26 x 109 x 127 36 x 46 x 112 Kilograms		
		Operating Temperature Storage Temperature Operating Humidity (RH) Power Consumption USB Power External Power Supply Dimensions (H x W x D) Unit (TX / RX) Power Supply (AT-PS-48083-D3) Weight Device	0 to +122 -4 to +140 20% to 90%, non-condensing 18.76 W 2.5 W per USB device interface 100 - 240 V AC, 50/60 Hz Output: 48 V / 0.83 A DC Inches 1.02 x 4.29 x 5.00 1.42 x 1.81 x 4.41 Pounds	-18 to +50 -20 to +60 Millimeters 26 x 109 x 127 36 x 46 x 112 Kilograms		
	Device CE, RoHS, FCC	Operating Temperature Storage Temperature Operating Humidity (RH) Power Consumption USB Power External Power Supply Dimensions (H x W x D) Unit (TX / RX) Power Supply (AT-PS-48083-D3) Weight Device Certification	0 to +122 -4 to +140 20% to 90%, non-condensing 18.76 W 2.5 W per USB device interface 100 - 240 V AC, 50/60 Hz Output: 48 V / 0.83 A DC Inches 1.02 x 4.29 x 5.00 1.42 x 1.81 x 4.41 Pounds 0.94	-18 to +50 -20 to +60 Millimeters 26 x 109 x 127 36 x 46 x 112 Kilograms		
	Power Supply CE, FCC, cULus	Operating Temperature Storage Temperature Operating Humidity (RH) Power Consumption USB Power External Power Supply Dimensions (H x W x D) Unit (TX / RX) Power Supply (AT-PS-48083-D3) Weight Device Certification Device	0 to +122 -4 to +140 20% to 90%, non-condensing 18.76 W 2.5 W per USB device interface 100 - 240 V AC, 50/60 Hz Output: 48 V / 0.83 A DC Inches 1.02 x 4.29 x 5.00 1.42 x 1.81 x 4.41 Pounds 0.94 CE, RoHS, FCC	-18 to +50 -20 to +60 Millimeters 26 x 109 x 127 36 x 46 x 112 Kilograms		
Device   CE, RoHS, FCC		Operating Temperature Storage Temperature Operating Humidity (RH) Power Consumption USB Power External Power Supply Dimensions (H x W x D) Unit (TX / RX) Power Supply (AT-PS-48083-D3) Weight Device Certification	0 to +122 -4 to +140 20% to 90%, non-condensing 18.76 W 2.5 W per USB device interface 100 - 240 V AC, 50/60 Hz Output: 48 V / 0.83 A DC Inches 1.02 x 4.29 x 5.00 1.42 x 1.81 x 4.41 Pounds 0.94	-18 to +50 -20 to +60 Millimeters 26 x 109 x 127 36 x 46 x 112 Kilograms		



Compliance	
NDAA-899	Yes
ТАА	Yes
Warranty	
3 yea	View the full warranty information here: https://atlona.com/warranty

## Footnotes

(1) Both the AT-OME-EX-TX and AT-OME-EX-RX are not compatible with the AT-UHD-HDVS-300 system for extending USB.

(2) HDBaseT transmitter or switcher must also be HDCP 2.2 compliant.

(3) Only supports 4:2:0.



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