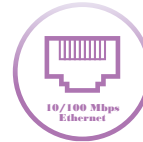
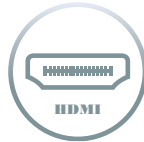


ARD-1007A

4K/UHD HDMI KVM Extenders TX/RX with Ethernet, Control & PoE



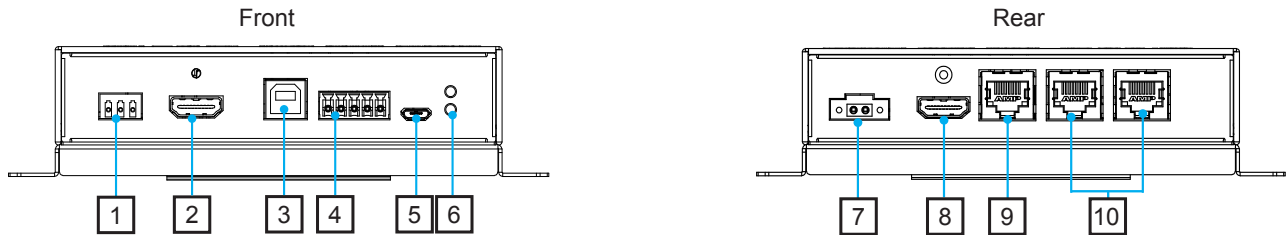
ARD-1007A

Arista's KVM Extenders products family, ARD-1007A, ARD-5816, ARD-1006RX-B, ARD-1008RX, are designed based on HDBaseT for HDMI transmission up to 330 feet (100 meters) over category cable with Ethernet pass through, RS-232, USB and IR control, plus Power over Ethernet. The product transmits video signals up to 4K/UHD @ 60Hz with embedded multi-channel audio and remote 48V power for the receiver. Additionally, the product extends Ethernet, RS-232, USB and IR control. The product is HDCP 2.2 compliant and supports EDID communication. The product provides integrator-friendly features including: IEEE standards-based PoE transmission for safety and compatibility; HDCP 2.2 compliant for meeting the latest copy protection requirements.

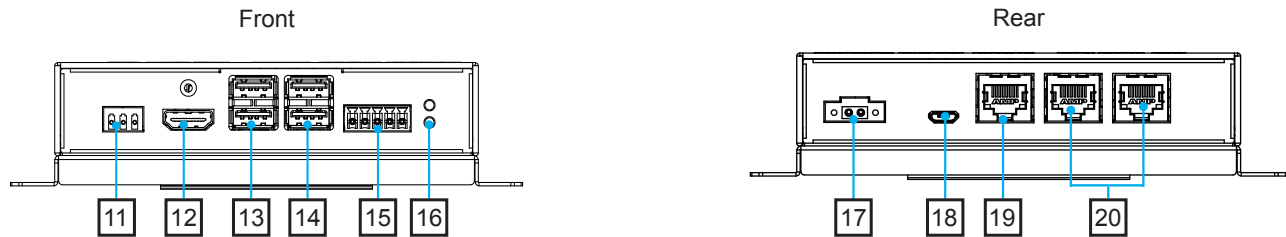
Product Specifications

Model Name	ARD-1007A	
Technical	ARD-1007A-TX	ARD-1007A-RX
Role of usage	Transmitter (TX)	Receiver (RX)
Video bandwidth	350MHz	
Video resolution	Up to 3840 x 2160	
Transmission	Cat5e/Cat6 cable	
Extension signal	Video, Audio, remote control, touch control, keyboard/mouse, Ethernet, Power	
RS-232 signal type	Full-duplex & baud rate	
Input video signal	1.2 Volts [peak-to-peak]	
Loop-Back	1 HDMI Loop-Back at TX	
ESD protection	[1] Human body model — ±15kV [air-gap discharge] & ±8kV [contact discharge]; [2] Core chipset — ±8kV	
PCB Stack-up	6-layer board [impedance control — differential 100Ω; single 50Ω]	
I/O Communication		
Input	1 x HDMI 2.0, 1 x USB 1 x RS-232, 1 x IR, 1 x 48V DC	1x Remote IN(PSE)
Output	1 x Local out (PSE), 1 x HDMI 2.0	1 x HDMI 2.0, 1 x RS-232 4 x USB, 1 x IR, 1 x 12V DC
Ethernet Hub	2 x LAN	2 x LAN
HDMI connector	HDMI female	
RS-232 connector	Terminal Block 3 Pin	
Keyboard and mouse connector	USB Type A	
USB connector	USB Type A (ARD-1007A-RX), USB Type B (ARD-1007A-TX)	
Physical Information		
Mounting	Wall mount or DIN-RAIL mount	
Physical Dimension (W x H x D)	6.19 x 1.45 x 4.04 inch / 157 x 37 x 103 mm	
Power/Thermal Specs		
Power supply	PoE	
Environmental		
Operation temperature	0~50°C (32~122°F)	
Storage temperature	-20~60°C (-4~140°F)	
Relative humidity	0~95%	

ARD-1007A Transmitter(TX)



ARD-1007A Receiver(RX)



No.	Connector	Description
1	RS-232 IN	RS-232 signal source input(Touch signal input).
2	HDMI IN	HDMI video signal source input.
3	USB	Connect to a PC via USB cable(for inputting touch/keyboard/mouse signal etc.)
4	IR Remote control(In/Out)	Connect to a Remote control connector terminal for remote control on the display.
5/18	Service	For debugging use
6/16	LED indicators	Power indicator: Lights in green- the unit is powered on. Link indicator: Lights in green-the network connection works well.
7	48V DC IN	48V DC power input
8	HDMI Loop OUT	HDMI video signal output to display.
9	Local OUT	Connect remote device for transmitting all signals via CAT5e/6 LAN cable.
10	LAN1_HUB_LAN2	For network connection, connect to network device.
11	RS-232 OUT	Connect to remote display for transmitting touch signal.
12	HDMI OUT	Connect to remote display for transmitting HDMI video signal.
13/14	USB device	Connect mouse or keyboard for control of local PC on remote display.
15	IR Remote control(In/Out)	Connect to a Remote control connector terminal for remote control on the display.
17	12V DC OUT	12V DC power supply
19	Remote IN(PSE)	Connect ARD-1007A transmitter for transmitting all signals via CAT5e/6 LAN cable.
20	LAN3_HUB_LAN4	For network connection, connect to network device .