Atlona HDBaseT Extender Family

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AT-HDTX-RSNET

Beyond Ordinary Video

Atlona's RSNET, IR and HD extenders take video beyond the technical limits of standard HDMI. Unparalleled HDBaseT and Power over Category cable (PoCc™) offer the best possible combination of connectivity features. Choose different models for distance or control in the ultimate home theater, reliability for business or government, versatility for installation or rental/staging, or competitive pricing for more compact spaces.

Atlona Advantages	
GO FARTHER Up to 328 ft (100 m). Value models use HDBaseT for transmission up to 230 ft (70 m)	**CONVENIENT CAPTIVE-SCREW TERMINATIONS** for power and control help reduce wire bundles for cleaner racks and more reliable connections
POWER OVER CATEGORY CABLE PoCc eliminates the need for a power supply at the receiver	**LOCKING HDMI PORTS** for extra-secure connections and uninterrupted signals
MORE OPTIONS Signal and connector options including HDMI or DVI for video/audio, HDBaseT on RJ45 or etherCON	**RESOLUTIONS UP TO ULTRAHD (4KX2K)**
MORE CONTROL Ethernet, RS-232, and bi-directional IR for third-party-controller compatibility	**PASSES CEC SIGNALS** future-ready
UPGRADE IN THE FIELD USB port so firmware can be upgraded in the field to save time and money	**SUPPORTS** all embedded audio signals including Dolby TrueHD and DTS-HD Master Audio
ROADNET FOR RENTAL AND STAGING The only extender on the market specifically designed for rental and staging, with extra-robust RJ45 etherCON connectors to withstand the rigors and chaos of live performance and temporary installation. Quick-connect power supply for faster setup and breakdown	
DVI OPTION with DVI connector instead of HDMI connector, ideal for PC users and the medical industry. This adapter has HDMI-compatible electronics with DVI connectors for max flexibility including capability to transmit audio and Ultra HD (4Kx2K)	

Atlona HDBaseT TX HDMI Rental/Staging Box
w/etherCON, Ethernet, RS-232, and IR

AT-HDTX-ROADNET

Atlona HDBaseT TX DVI Box
w/Ethernet, RS-232, and IR

AT-DVITX-RSNET

Atlona HDBaseT TX HDMI Box
w/Ethernet, RS-232, and IR

AT-HDTX-RSNET

Atlona HDBaseT TX HDMI Box
### w/IR

AT-HDTX-IR

Atlona HDBaseT TX HDMI Box

AT-HDTX

Family Comparison Chart

SOLUTIONS	TX	RX	PoCc	328 ft (100 m max)	230 ft (70 m max)	IR	RS-232	Ethernet
MAX CONTROL								
AT-HDTX-RSNET	X		X	X		X	X	X
AT-HDRX-RSNET		X	X	X		X	X	X
AT-DVITX-RSNET	X		X	X		X	X	X
AT-DVIRX-RSNET		X	X	X		X	X	X
AT-HDTX-ROADNET	X		X	X		X	X	X
AT-HDRX-ROADNET		X	X	X		X	X	X
IR CONTROL								
AT-HDTX-IR	X		X		X	X		
AT-HDRX-IR		X	X		X	X		
AUDIO/VIDEO ONLY								
AT-HDTX	X		X		X			
AT-HDRX		X	X		X			

Specifications

BANDWIDTH	10.2 Gbps				
VIDEO	Up to UltraHD (4Kx2K)				
PORTS	RSNET	ROADNET	IR	HD	DVI
HDBaseT	1 x RJ45	1 x etherCON NE8MC	1 x RJ45	1 x RJ45	1 x RJ45
IR In/Out	1 x 5 pin captive screw	1 x 5 pin captive screw	1 x 5 pin captive screw	N/A	1 x 5 pin captive screw
RS-232	1 x 3 pin captive screw	1 x 3 pin locking quick release captive screw	N/A	N/A	1 x 3 pin captive screw
Power	1 x 2 pin captive screw	N/A	1 x 2 pin captive screw	1 x 2 pin captive screw for TX	1 x 2 pin captive screw for TX
Firmware Upgrade	1 x mini USB	1 x mini USB	1 x mini USB	1 x mini USB	1 x mini USB
Ethernet	1 x RJ45	1 x RJ45	N/A	N/A	1 x RJ45
Audio/Video	1 x HDMI female	1 x HDMI female	1 x HDMI female	1 x HDMI female	1 x DVI female
Distance	Up to 328 ft (100 m)	Up to 328 ft (100 m)	Up to 230 ft (70 m)	Up to 230 ft (70 m)	Up to 328 ft (100 m)
AUDIO	Transmits up to Dolby TrueHD or DTS-HD Master				
WALL MOUNTABLE	Yes				
POWER CONSUMPTION	RSNET	ROADNET	IR	RX/TX	DVI
TX/RX Total	11.3W	11.3W	11.3W	11.3W	11.3W
DIMENSIONS (H X W X D)	1.5 x 5 x 4 in. (38 x 127 x 102 mm)	1.5 x 5 x 4 in. (38 x 127 x 102 mm)	0.95 x 2.87 x 2.72 in. (24 x 73 x 69 mm)	0.95 x 2.87 x 2.72 in. (24 x 73 x 69 mm)	1.5 x 5 x 4 in. (38 x 127 x 102 mm)
WEIGHT	.46 lb (.21 kg)	.46 lb (.21 kg)	.25 lb (.11 kg)	.25 lb (.11 kg)	.46 lb (.21 kg)
TEMPERATURE					
Operating Storage	32°F to 104°F (0°C to 40°C) -4°F to 140°F (-20°C to 60°C)				
Certifications	CE, FCC, RoHS (power supplies are cULus certified)				

System Connection Diagram

AT-HDRX-RSNET / AT-HDTX-RSNET

— HDMI
— HDBaseT

AT-HDTX-RSNET
HDMI IN | IR IN IR OUT | RS232 | FIRMWARE | POWER
PWR IR − + | RX TX | LINK

ATLONA
− +
DC 24V | ETHERNET | CAT5e/6/7 OUT

ATLONA
ETHERNET | CAT5e/6/7 IN

AT-HDRX-RSNET
HDMI OUT | IR IN IR OUT | RS232 | FIRMWARE | POWER
PWR IR − + | RX TX | LINK
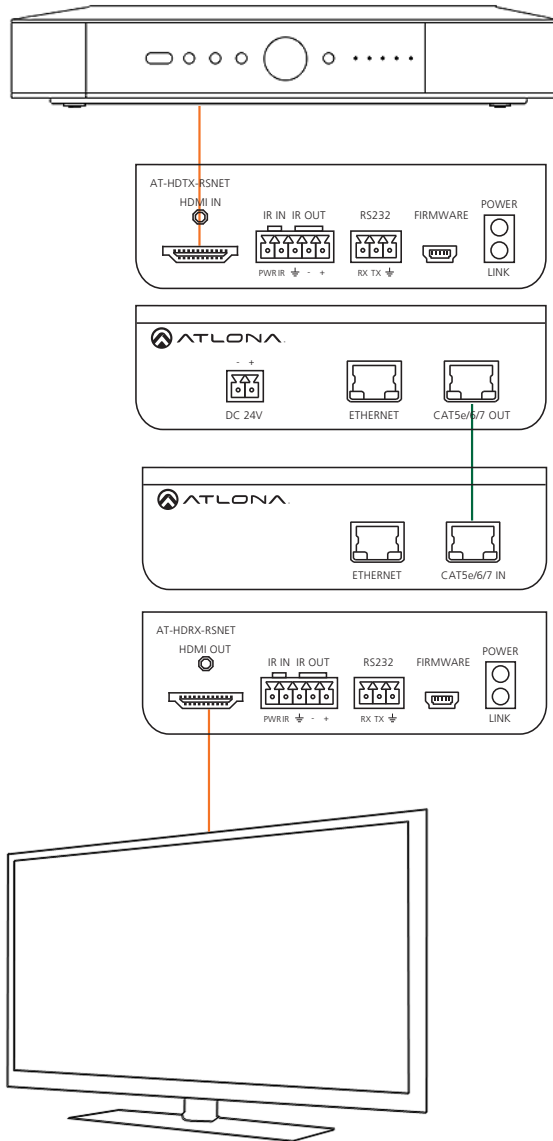
AT-DVIRX-RSNET / AT-DVITX-RSNET

— HDMI
— HDBaseT

AT-DVITX-RSNET
DVI IN | IR IN IR OUT | RS232 | FIRMWARE | POWER
PWR IR − + | RX TX | LINK

ATLONA
− +
DC 24V | ETHERNET | CAT5e/6/7 OUT

ATLONA
ETHERNET | CAT5e/6/7 IN

AT-DVIRX-RSNET
DVI OUT | IR IN IR OUT | RS232 | FIRMWARE | POWER
PWR IR − + | RX TX | LINK
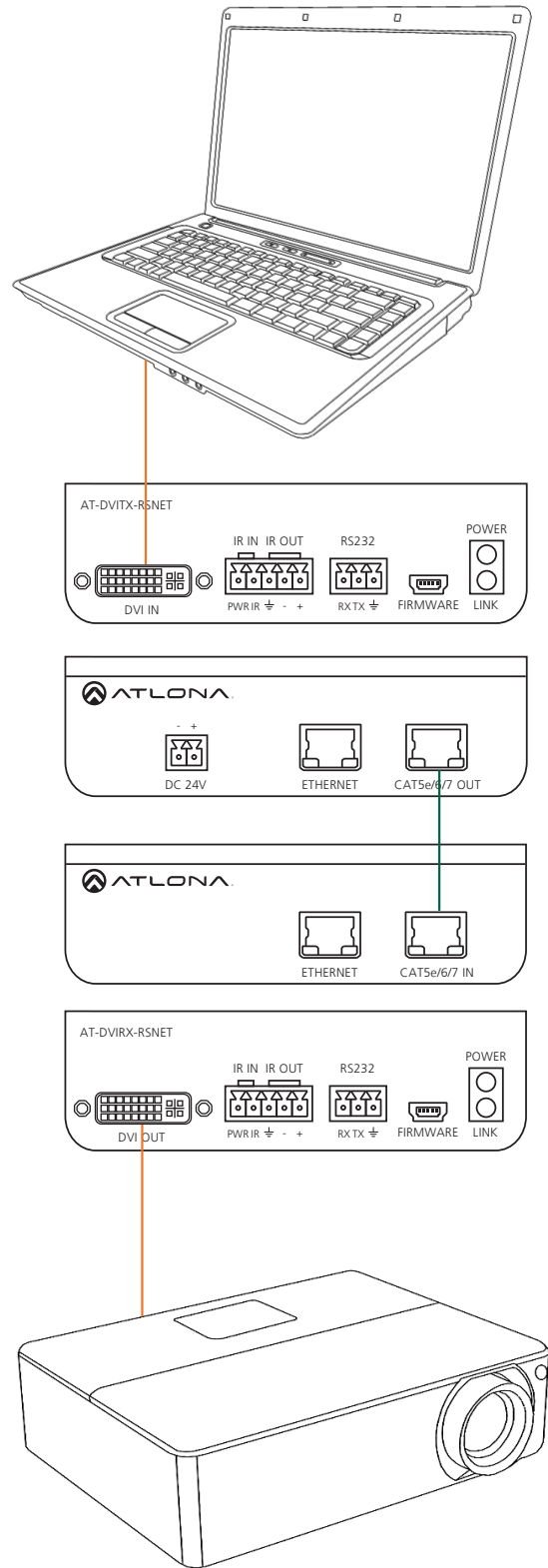
Related Products

Atlona HDMI 4 x 4 Matrix Switcher

AT-PRO3HD44M

Atlona 2 x 8 HDMI to HDBaseT Extended Distance Distribution Amplifier

AT-HDCAT-8ED

HDMI (male) to DVI (female) Locking Adapter

AT14050

Pair with Atlona Matrix Switchers

Our HDBaseT extenders pair with any Atlona HDBaseT device such as the PRO3HD matrix switchers and HDCAT distribution amplifiers.

ADAPTERS Get the reliability of DVI with an HDMI extender using the 14050 HDMI (male) to DVI (female) locking adapters.

NOTE: HDBaseT technology allows signals up 230 feet OR to 328 feet. Pairing components with different HDBaseT distances results in reduced maximum performance. Pairing 328-foot-max with 230-foot-max results in reduced performance.

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