

RKT16-HDX100

Rack HDMI Extender, up to 150 feet over CAT5e/CAT6



Touchboards

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16-port video extender system designed to broadcast HDMI signals up to 150 feet using inexpensive CAT5e/CAT6(STP)

FEATURES

- Supports up to 16 HDMI sources
- Supports High Resolution 1920x1200 60Hz WUXGA
- Extends up to 150 feet with CAT5e/CAT6 STP cables
- Zero pixel loss with TMDS signal correction
- DDC from internal table
- Compatible with all operating systems
- Local HDMI output for each port
- HDMI 1.3 and HDCP compliance
- Compatible with all major DVD players
- Rack Mountable Solution
- Data recovery for digital video
- Plug-and-play ready
- Uncompressed Video



FEATURES

The RKT16-HDX100 is the perfect solution for extending HDMI signals to a remote location up to 150 feet away. It is the ideal way to consolidate up to 16 workstation computers into one location. It is fully compatible with MAC, PC and LINUX HDMI standards. Up to 16 displays can be extended easily from a rack without the mess or expense of multiple extenders. Rather than buy multiple extenders for your rack components, and having to find power strips or numerous power outlets for the adapters, our rack series of extenders allows for up to 16 inputs and 16 outputs and one power supply.

APPLICATIONS

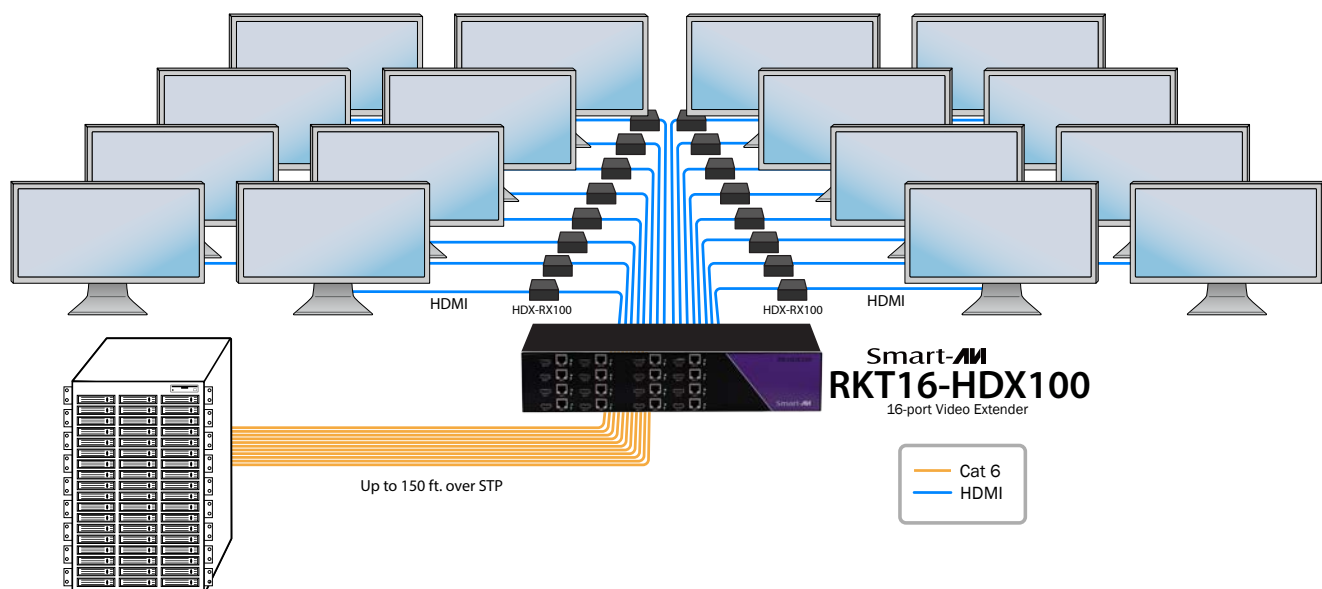
MEDICAL FIELD - In the medical field where sensitive electronic devices are used, isolating workstation computers can be a matter of safety. The RKT16-HDX100 allows the workstation computers to be housed in a central location, away from sensitive devices.

INDUSTRIAL WORK AREAS - In industrial work areas that may be too harsh for a workstation computer, the RKT16-HDX100 can consolidate the computers into a safe location.

DIGITAL SIGNAGE - When it comes to digital signage, the RKT16-HDX100 is an excellent deployment option. With the RKT16-HDX100, up to 16 digital signage devices can be centralized and secured from public access.

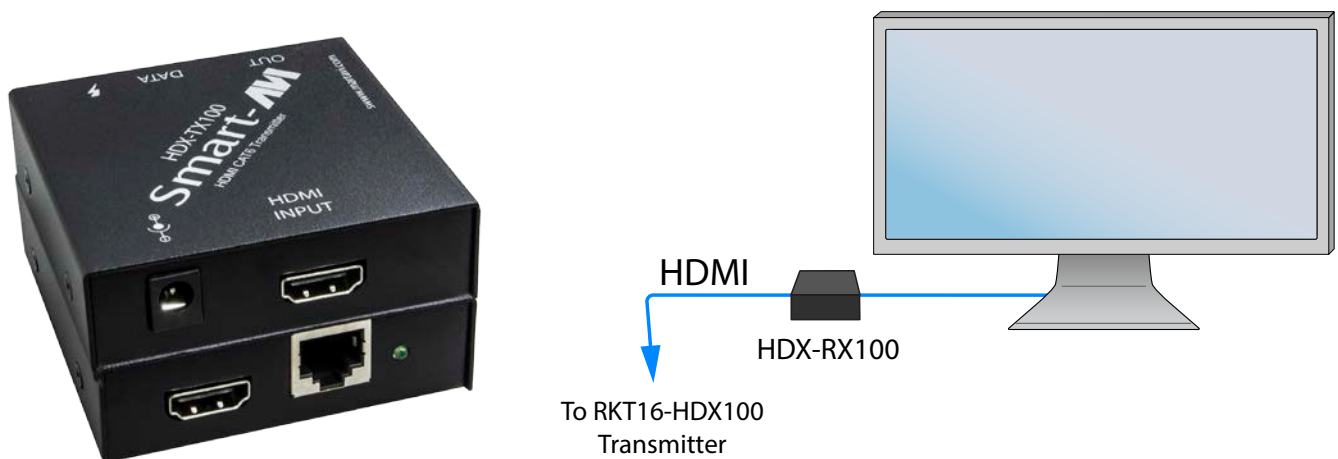
INFORMATION KIOSKS/DISPLAYS - As with most information booths and kiosks, there is a risk of damage or theft. The RKT16-HDX100 is the best way to secure computer hardware, by consolidating it to a secure location away from public access.

APPLICATION DIAGRAM



RACK TO ENDPOINT -

If your company uses a rack of source devices, whether it be computer servers, DVD players or other hardware, the RKT16-HDX100 allows you to run all of those components into one extension box that can accommodate between four and 16 inputs/outputs on one power supply. In this example, source signals are being routed from a company rack through the RKT16-HDX100 to multiple displays. The rack utilizes SmartAVI's HDX-RX100 receiver unit at the end point to convert the CAT5e/6 feed back into an HDMI signal.



OVERVIEW

Smart-AVI's HDX-100 is an innovative solution to extending any HDMI signal – be it a gaming console, Blu-Ray player, computer, etc. – over inexpensive CAT6 STP cabling up to 150 feet away to one remote display and one local screen for real-time monitoring of content. This is the perfect solution for broadcasting high-definition media easily and inexpensively from a source to display screen for customers to view while keeping the CPU in a remote, secure location such as a computer room or back office of a business. Utilizing the HDX-100, users can monitor what's being shown to customers in real-time via a local display while users retain full control over the CPU or HDMI source, accessible only by key personnel. The HDX-100 is a compact unit that is easily integrated into a digital display network in a retail store, bar/lounge or other venue. The receiver unit is small and light, which makes inclusion into infrastructure very simple.



HDX-RX100 Front

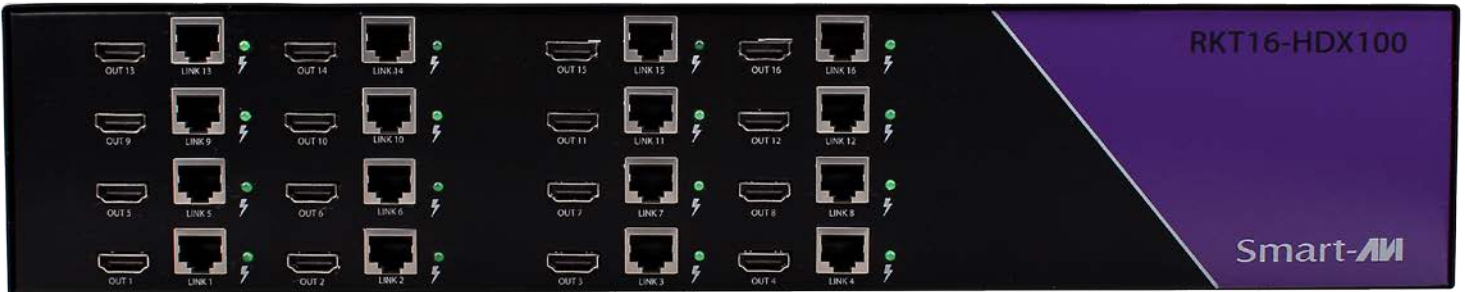


HDX-RX100 Back

SPECS

Video Interface	HDMI
Resolution	1920 x 1200@60Hz or 480p/720i/720p/1080i/1080p
Output Interface	(1) DVI-D 29-pin female
Input Interface	(1) DVI-D 29-pin female
Dimensions	2.75"W x 3.875"L x 1"H
Connector	HDMI Connector x1
Bandwidth	1.65 Gps
Power Adaptor	PS5VDC1A

SPECIFICATIONS



RKT16-HDX100 Front



RKT16-HDX100 Rear

VIDEO	
Format	HDMI
Maximum Pixel Clock	165MHz
Input Interface (TX)	(16) HDMI female
Output Interface (RX)	(16) HDMI female
Resolution	Up to 1920 x 1200 @60Hz
DDC	5 volts p-p(TTL)
Input Equalization	Automatic
Input Cable Length	Up to 20 ft.
Output Cable Length	Up to 20 ft.

OTHER	
Power Internal	110-240 VAC
Dimensions	17 in W x 3.5 in H x 3.25 in D
Weight	10 lbs
Operating Temp.	0-55 °C (32-131°F)
Storage Temp.	-20-85 °C (-4-185 °F)
Humidity	Up to 95%

ORDERING INFORMATION

Part No.	Description
RKT16-HDX100	HDMI RACK 16 ports Transmitter over STP CAT6
HDX-RX100	HDX Receiver. HDMI Receiver over STP CAT6



Designed and Manufactured in the USA