

KLX-500

Chainable DVI/VGA KVM Extender via LAN



Break distance barriers to extend DVI/VGA KVM and IR signals over IP using Cat5e/6 cables

FEATURES

- Extends KVM operation by 500 feet via LAN (Cat5e/6 cables)
- Chainable for thousands of feet of extension
- Supports DVI and VGA monitors
- Supports full USB emulation
- Audio input and output
- Dual control operation, both local and remote use of KVM
- Supports 1080p up to 1920x1080 resolution at 60Hz
- IR (Infrared) remote enabled
- Plug-and-Play ready
- No software or driver required

APPLICATIONS

- Digital Signage
- Security
- PC Networking
- Conference Center Systems
- Point of Sale
- Camera Surveillance
- Video Phone
- Control Room Systems
- Recording/Production Studios



OVERVIEW

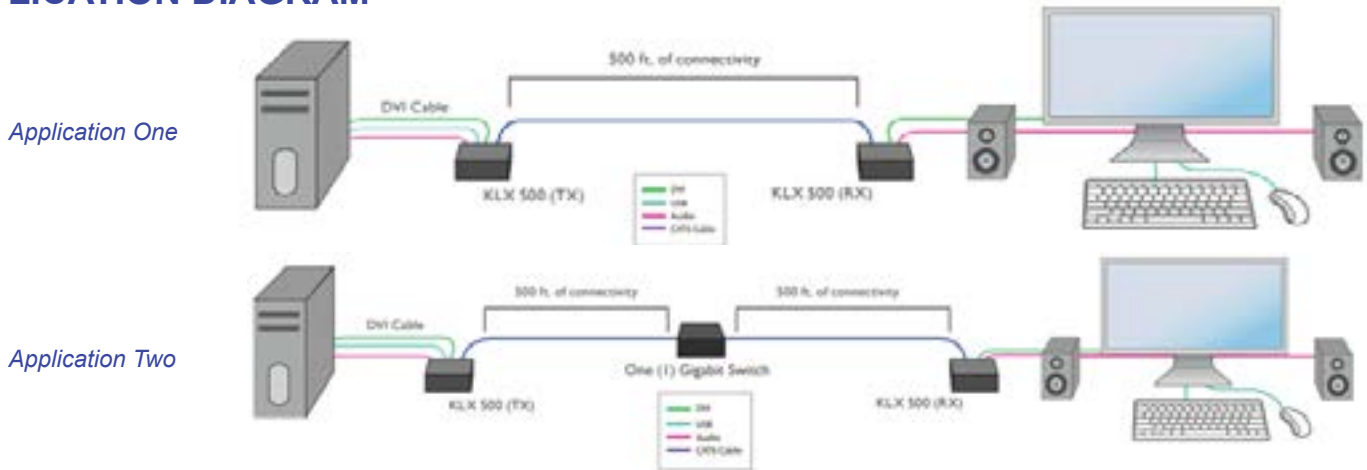
To extend KVM (Keyboard, Video and Mouse) operation of DVI and VGA connections, the KLX-500 Extender provides 500 feet of connectivity using the Cat5e/6 cables used in LAN infrastructure. Users can add additional extenders to break the distance barriers for KVM extension over DVI and VGA. In addition to KVM operation, this compact unit also transmits audio.

The KLX-500 is ideal in preconfigured work environments, because it allows users to employ the preexisting LAN infrastructure commonly available in office environments. Users can also choose to set up their own cabling, if they so choose.

The KLX-500 supports full USB emulation and 1080p HD video up to 1920x1080 resolution at 60Hz. With plug-and-play functionality, there are no drivers or software installations required. With stable connections, there's no easier way to implement increased distance in KVM management.

The KLX-500 compresses data to utilize Cat5e/6 cables, but users will see no degradation of signal when using one gigabit Internet connections and up. For users utilizing preexisting LAN connections, implementing a one gigabit switch allows for signal extension with full resolution. Users with smaller bandwidth will experience compressed signal if they decide to forgo the additional switch.

APPLICATION DIAGRAM



KLX-500 (TX) BACK



KLX-500 (TX) FRONT



KLX-500 (RX) BACK



KLX-500 (RX) FRONT

Video	
Format	DVI-D
HDTV Resolutions	480p, 720p, 1080i, 1080p/60Hz/48bit
TV Resolution	480i
Input Interface (TX)	DVI-I, 2 USB Type A Female & 1 USB Type B
Output Interface (RX)	DVI-I, 2 USB Type A Female
Input Cable Length (TX)	Up to 40 ft.
Output Cable Length (RX)	Up to 40 ft.
Audio	
Format	Stereo
Input Interface	3.5 mm Jack Socket (Female)
Output Interface	3.5 mm Jack Socket (Female)

System	
Interface	RJ-45
Cable Requirements	CAT5/5e/6
Maximum Length	500 ft.
IR Signal Type	38 KHz
Other	
Power	External 100-240 VAC/5VDC2A @10W
Dimensions	7"W x 1.4"H x 3.3"D
Weight	0.6 lbs.
Approvals	UL, CE, ROHS Compliant
Operating Temp.	32-131°F (0-55 °C)
Storage Temp.	-4-185 °F (-20-85 °C)
Humidity	Up to 80%

ORDERING INFORMATION

Part No.	Description
KLX-500-S	DVI-D KVM with Audio Point-to-Point Extender over LAN or CAT5e/6. Includes: [KLXTX500, KLX-RX500, and 2 x PS5VD2A-Wall Mount]



Designed and Manufactured in the USA

www.smartavi.com

Tel: 800.AVI.2131 • 818.503.6200 • 11651
Vanowen St. North Hollywood, CA. 91605

Smart-AVI
SMART AUDIO VIDEO INNOVATION