

# KVM Extender Over LAN



## 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

#### 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, in addition to RS-232 commands. 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.

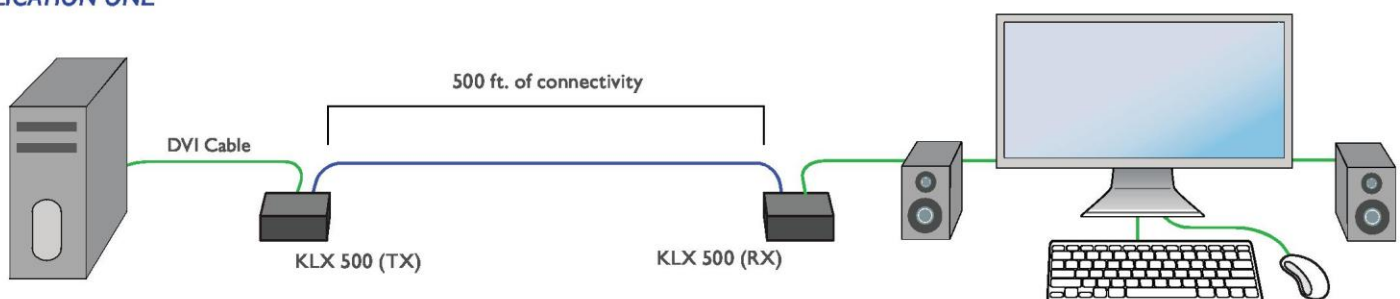
The KLX-500 compresses data to utilize Cat5e/6 cables, but users will see no degradation of signal when using one gigabit Internet connections and up. For users utilizing preexisting LAN connections, implementing a one gigabit switch allows for signal extension with full resolution. Users with smaller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

#### FEATURES

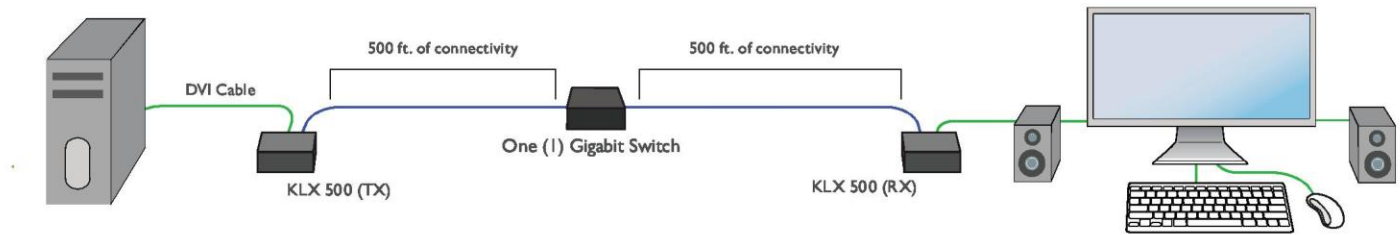
- Extends KVM operation by 500 feet via LAN (Cat5e/6 cables)
- Chainable for thousands of feet of extension
- Supports DVI and VGA monitors
- Supports RS-232
- Supports full USB emulation
- Audio input and output
- Dual control operation, both local and remote use of KVM
- Supports 1080p up to 1920x1080 resolution at 60Hz
- IR (Infrared) remote enabled
- Plug-and-Play ready
- No software or driver required

#### APPLICATION DIAGRAM

##### APPLICATION ONE



## APPLICATION TWO



## SPECIFICATIONS

### VIDEO

Format	HDMI 1.3 and HDCP compliant
HDTV Resolutions	480p, 720p, 1080i, 1080p/60Hz/48bit
TV Resolution	480i
Input Interface (TX)	HDMI Type A 19-pin Female TMDS
Output Interface (RX)	HDMI Type A 19-pin Female TMDS
Input Cable Length (TX)	Up to 40 ft.
Output Cable Length (RX)	Up to 40 ft.

### AUDIO

Format	Dolby TrueHD, DTS-HD MA
Input Interface	HDMI (Integrated)
Output Interface	HDMI (Integrated)

### IR

Signal Type	38 KHz
Interface	3.5 mm Jack Socket (Female)

### RS-232

Baud Rate	Up to 19,200 bps
Input Interface (TX)	DB-9 (Serial) Female
Output Interface (RX)	DB-9 (Serial) Male

HLX-500 (TX) Back



HLX-500 (RX) Back



HLX-500 (TX) Front



HLX-500 (RX) Front



### SYSTEM

Interface	RJ-45
Cable Requirements	CAT5/5e/6
Maximum Length	500 ft.

### OTHER

Power	External 100-240 VAC/5VDC2A @10W
Dimensions	7.5"W x 1.5"H x 3.25"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 95%

Part No.	Description
KLX-500-S	HDMI, IR, RS-232 Point to Point CAT5 Extender. Includes: [KLX-500-TX, KLX-500-RX, 2 x (PS5VD2A)]

[www.kvmswitchtech.com](http://www.kvmswitchtech.com)

Tel: 866-865-7737 • 234-380-5708 •

118 W. Streetsboro St., Suite 125 Hudson, OH. 44236

