SDBX/U1
CATx KVM Extender Kit

All you need to extend high-resolution video and USB HID keyboard and mouse signals up to 300m over Category 5, 5e, 6 or Level 7 (CATx) cable.

- **High video resolution:**
  1600x1200@60Hz over 200m
  1280x1024@75Hz over 300m

- **Independent low frequency (LF) and high frequency (HF) cable equalization to match all cable types**

- **Fully integrated skew compensation**

- **Control and video tuning from Remote keyboard (settings stored in EEPROM memory)**

- **Local video output**

- **Flash upgradeable via USB**

- **DDC support**

- **Surge-protected CATx interfaces**

- **Small footprint chassis**

- **Status indicator LEDs on RJ45 ports**

- **Rack mount kit available**

Remote unit - front view

Contents

- Extender Remote unit
- 5V DC universal power supply for Remote unit
- Extender Local unit
- CPU cable set (1.0m) with USB and VGA video connectors
- IEC AC power cord
- Quick start guide

Local unit - rear view

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Specification

Video

Maximum Resolution	1600x1200@60Hz over 200m 1280x1024@75Hz over 300m
	Operation at higher resolutions/ refresh rates may be possible at shorter distances
Video Compatibility	VGA to UXGA, RGB
Video I/O	0.7V P-P
VESA DDC	Local unit emulates a universal monitor. DDC information may be disabled or read from the remote monitor.
Skew Compensation	15-stage. 42ns max. 2.8ns per step. Compensation available on each colour
Video Compensation	Separate LF & HF equalizers
Video Coupling	DC
Sync I/O	Separate/Composite TTL level Sync on green Sync polarity is preserved
Video In Connectors	HD15 (male)
Video Out Connectors	HD15 (female)

USB

KB Compatibility	Most USB keyboards
Mouse Compatibility	Most USB mice
HID Compatibility	Certain other HID devices
Connectors(CPU)	USB B connector
Connectors (Device)	4 x USB A connector

Power Requirements

Local Unit	5V at up to 150mA supplied by PC's USB port. External PSU may also be connected (not included).
Remote Unit	5V regulated, 800mA (excluding USB devices) 2.1mm DC jack (centre positive)
Remote Unit PSU	5V DC, 4A (20W) Universal IEC input 2.1mm DC jack (centre positive)

Size and Shipping Weight

Local Unit	124x113x30mm
Remote Unit	144x151x30mm
Shipping Weight	2.1 kg

Environmental

Operating Temp	0 to 40 °C
Storage Temp	-30 to 65 °C
Relative Humidity	5-90% non-condensing
Chassis Construction	Fully shielded. Black painted steel
Approvals	CE, FCC (Class A)

Application

CPU

Local Video Output

Local Unit

USB HID and video extension over CATx cable up to 300m

Remote Unit

Remote Console

USB Devices