SDBX/U2 Dual Channel CATx KVM Extender Kit

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

Remote unit - front view

- 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
- Dual Local video outputs
- DDC support on both video channels
- Flash upgradeable via USB
- Control and video tuning from Remote keyboard (settings stored in EEPROM memory)
- Surge-protected CATx interfaces
- Status indicator LEDs on RJ45 ports
- Small footprint chassis
- Rack mount kit available



CAT_X KVM

- Extender Remote unit
- 5V DC universal power supply for Remote unit

REMOTE

- Extender Local unit
- CPU cable set (1.0m) with USB and VGA video connectors
- CPU secondary video cable (1.0m) with VGA video connectors
- IEC AC power cord
- Quick start guide



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Application



Specification

Video

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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 universal monitor. DDC information may be disabled or read from remote monitor(s).
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 250mA supplied by PC's USB port. External PSU may also be connected (not included)
Remote Unit	5V regulated, 1.1A (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

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Local Unit	124x113x44mm (1U)	
Remote Unit	144x151x30mm	
Shipping Weight	2.2 kg	

Environmental

Operating Temp
Storage Temp
Relative Humidity
Chassis Construction
Approvals

0 to 40 °C -30 to 65 °C 5-90% non-condensing Fully shielded. Black painted steel CE, FCC (Class A)