SDBX/D1
Dual Access
CATx KVM Extender Kit

All you need to extend high-resolution video and PS/2 keyboard and mouse signals up to 300m over Category 5, 5e, 6 or Level 7 (CATx) cable with access at both Local and Remote units.

- **Dual access with Private mode**

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

- **Independent low frequency (LF) and high frequency (HF) cable equalization**

- **Fully integrated skew compensation**

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

- **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
- 9V DC universal power supply for Remote unit
- Extender Local unit
- KVM CPU cable set (1.8m) with PS/2 keyboard and mouse connectors, 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 universal monitor. Custom DDC information can be supplied; contact Technical Support for details.
Skew Compensation	15-stage. 42ns max. 2.8ns per step. Compensation 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)

Keyboard and Mouse

KB Compatibility	PC/AT, PS/2
Mouse Compatibility	Standard PS/2 two/three button Standard wheel mice
Connectors(CPU)	6-pin miniDIN socket
Connectors (Device)	6-pin miniDIN socket

Power Requirements

Local Unit	5V at up to 200mA supplied by PC's PS/2 keyboard port. External PS/2 PSU may also be connected
Remote Unit	9V regulated, 1A (max) PSU 0V must be isolated from power ground 2.5mm DC jack (centre positive)
Remote Unit PSU	9V DC, 2A (20W), isolated output Universal IEC input 2.5mm DC jack (centre positive)

Size and Shipping Weight

Local Unit	202x100x36mm
Remote Unit	143x145x29mm
Shipping Weight	2.15 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 console

Local Unit

KVM Extender (CAT 5)   INTERCONNECT
LOCAL UNIT

KVM Extension over CATx cables up to 300m

Remote Unit

USER CONSOLE   POWER

Remote console