

# SDBX/S1

## 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.

- **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)**
- **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 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)

#### 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

**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** 2.10 kg

#### Environmental

**Operating Temp** 0 to 40 °C

**Storage Temp** -30 to 65 °C

**Relative Humidity** 5-90% non-condensing

### Application

