

SDBX/D2

Dual Channel

CATx KVM Extender Kit

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

- **Dual-head video support at both Local and Remote consoles**
- **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 to match all cable types**
- **Fully integrated skew compensation**
- **DDC support on both video channels**
- **Flash upgradeable**
- **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**

Remote unit - front view



Contents

- Extender Remote unit
- 9V DC universal power supply for Remote unit
- Extender Local unit
- KVM CPU combination cable (1.0m) with PS/2 keyboard and mouse connectors, VGA video connector, and 25-way extender connector
- CPU secondary video cable (1.0m) with 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. DDC information may be disabled, flash-upgraded 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 Primary video: DB25 (female) Local Units (KVM); Secondary video: 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
Logitech 3-button PS/2

Connectors(CPU) DB25 (female) (KVM)

Connectors (Device) 6-pin miniDIN socket

Power Requirements

Local Unit 5V at up to 220mA supplied by PC's PS/2 keyboard port.
External PSU may also be connected (not included)

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 145x100x44mm (1U)

Remote Unit 143x145x29mm

Shipping Weight 2.0 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

