

# SDLink1/AU

## Single Channel KVM Extender Kit

All you need to extend one channel of high-resolution video, PS/2 keyboard and mouse, stereo audio, and serial port signals up to 300m over Category 5, 5e, 6 or Level 7 (CATx) cable.

- **High video resolution:**  
1600x1200@60Hz up to 65m  
1280x1024@75Hz up to 120m  
1024x768@75Hz up to 300m
- **Transparent serial port**
- **Bi-directional stereo audio**
- **Surge-protected CATx interfaces**
- **DDC emulation**
- **Fully adjustable video equalization**
- **Local units powered directly by PC**
- **Keyboard and mouse emulation ensures CPU boots under all circumstances**
- **Rack mount kit available**
- **Shielded steel chassis**

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
- Serial cable (1.8m)
- Dual audio cables (1.8m) with 3.5mm stereo plugs
- IEC AC power cord
- Quick start guide



Local unit - rear view

# Specification

## Video

<b>Maximum Resolution</b>	1600x1280@60Hz up to 65m 1280x1024@75Hz up to 120m 1024x768@75Hz up to 300m
<b>Video Compatibility</b>	VGA to UXGA, RGB
<b>Video I/O</b>	0.7V P-P
<b>VESA DDC</b>	Local Unit emulates universal monitor. Custom DDC information can be supplied; contact Technical Support for details.
<b>Video Compensation</b>	Three stage continuously variable
<b>Video Coupling</b>	DC
<b>Sync I/O</b>	H/V or composite TTL level Sync polarity is preserved
<b>Video In Connectors</b>	HD15 (male)
<b>Video Out Connectors</b>	HD15 (female)

## Keyboard and Mouse

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

## Serial Interface

<b>Max Baud Rate</b>	19.2k baud
<b>Serial Data Format</b>	Transparent
<b>Signals Transferred</b>	TX, RX, RTS, CTS, DTR, DSR
<b>Local Connector</b>	DB9 female (DCE)
<b>Remote Connector</b>	DB9 male (DTE)

## Audio Interface

<b>Description</b>	Bi-directional stereo audio link
<b>Transmission method</b>	Digitized virtually CD quality audio (16-bit, 38.4kHz)
<b>Signal levels</b>	Line level (4V PK-PK maximum)
<b>Input Impedance</b>	47k $\Omega$
<b>Local Connectors</b>	2x3.5mm stereo jack socket (Line In & Line Out)
<b>Remote Connectors</b>	2x3.5mm stereo jack socket (Line/Mic In & Line Out)
<b>Microphone Support</b>	May be connected to Remote Unit Pullup resistor provides bias for condenser microphone. Option to set microphone amplification to +17dB

## Power Requirements

<b>Local Unit</b>	5V 200mA (max) supplied by PC's PS/2 keyboard port. External PS/2 PSU also available.
<b>Remote Unit</b>	9V DC, 0.75A (max) 2.5mm DC jack (centre positive)
<b>Remote Unit PSU</b>	9V DC, 2A (18W), isolated output (certified to all relevant safety standards) Universal IEC input 2.5mm DC jack (centre positive)

## Size and Shipping Weight

<b>Local Unit</b>	202x100x44mm (1U)
<b>Remote Unit</b>	202x100x44mm (1U)
<b>Shipping Weight</b>	2.53 kg

## Environmental

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

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## Application

