

# SDLink1/S

## Single Channel KVM Extender Kit

All you need to extend one channel of high-resolution video, PS/2 keyboard and mouse, 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
- **Serial port extension**
- **Fully adjustable video equalization**
- **DDC emulation**
- **Surge-protected CATx interfaces**
- **Keyboard and mouse emulation ensures CPU boots under all circumstances**
- **Local unit powered directly by PC**
- **Fully shielded steel 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 cable set (1.8m) with PS/2 keyboard and mouse connectors, and VGA video connectors
- Serial cable (1.8m)
- 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>Connector (CPU)</b>	6-pin miniDIN socket
<b>Connectors (Device)</b>	6-pin miniDIN socket

## Serial Interface

<b>Baud Rate</b>	1200, 9600 or 19200 Baud (user-selectable)
<b>Serial Data Format</b>	8 data bits, no parity, 1 stop bit
<b>Flow Control</b>	<b>Hardware:</b> RTS/CTS passed through or looped back, DTR/DSR passed through or looped back or none (user-selectable) <b>Software:</b> Transparent to software flow control
<b>Local Connector</b>	DB9 female (DCE)
<b>Remote Connector</b>	DB9 male (DTE)

## 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>	202x100x36mm
<b>Remote Unit</b>	202x100x36mm
<b>Shipping Weight</b>	2.34 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

