

SDLink/RA

KVM Extender Remote Unit

Extends 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**
- **Fully adjustable video equalization**
- **Surge-protected CATx interface**
- **Shielded steel chassis**
- **Rack mount kit available**
- **Compatible with SDRK KVM Local Hubs**



Front view

Compatibility

The SDLink/RA Remote Unit offers compatibility with the following rack mount KVM Local Hubs:

- SDRK/6A
- SDRK/6AD
- SDRK/6*
- SDRK/6D*
- SDRK/12*

* Video only applications



Rear view

Specification

Video

- Maximum Resolution** 1600x1280@60Hz up to 65m
1280x1024@75Hz up to 120m
1024x768@75Hz up to 300m
- Video Compatibility** VGA to UXGA, RGB
- Video I/O** 0.7V P-P
- Video Compensation** Three stage continuously variable
- Video Coupling** DC
- Sync I/O** H/V or composite TTL level
Sync polarity is preserved
- Video Out Connector** HD15 (female)

Keyboard and Mouse

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

Serial Interface

- Max Baud Rate** 19.2k baud
- Serial Data Format** Transparent
- Signals Transferred** TX, RX, RTS, CTS, DTR,DSR
- Connector** DB9 male (DTE)

Audio Interface

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

Power Requirements

- Remote Unit** 9V DC, 0.75A (max)
2.5mm DC jack (centre positive)
- Remote Unit PSU** 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

- Remote Unit** 202x100x44mm (1U)
- Shipping Weight** 1.14 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)

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Example Application

Touch screen network with local access to CPUs through KVM switch

