

SDRK/6RA

KVM Mini Extender 6-Port Remote Hub

Extends up to six channels of high-resolution video, PS/2 keyboard and mouse, stereo audio, and serial port signals up to 50m over Category 5, 5e, 6 or Level 7 (CATx) cable.

Front view



- **High video resolution:**
1280x1024@75Hz up to 50m
1600x1200@60Hz up to 30m
- **Bi-directional stereo audio**
- **Transparent serial port**
- **Independent video equalization**
- **Surge-protected CATx interfaces**
- **Fully compatible with SDRK Local Hubs**
- **Fully shielded steel chassis**
- **Includes rack mount brackets**

Compatibility

The SDRK/6RA Remote Hub offers compatibility with the following rack mount KVM Local Hubs:

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

** Video only applications*



Rear view

Specification

Video

- Maximum Resolution** 1600x1200@60Hz up to 30m
1280x1024@75Hz up to 50m
- Video Compatibility** VGA to UXGA, RGB
- Video I/O** 0.7V P-P
- Video Compensation** Two ranges: 0-25m, 25-50m; set by switch at each Hub port
- Video Coupling** DC
- Sync I/O** Separate/Composite TTL level
Sync polarity is preserved
- 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** 6-pin miniDIN socket

Serial Interface

- Max Baud Rate** 19.2k baud
- Serial Data Format** Transparent
- Signals Transferred** TX, RX, RTS, CTS, DTR, DSR
- Local Connector** DB9 female (DCE)
- Remote 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, 1.5A (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

- Size** 442x110x44mm (1U)
- Shipping Weight** 2.68 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

SDRK/6RA Remote Hub used with SDRK/6A Local Hub to extend dual video from three CPUs

