

SDRK/6AD

KVM Extender 6-Port Local Hub

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



Front view

- Support for high video resolution over extended distances (up to 50m or 300m depending on choice of Remote Units)
- Bi-directional stereo audio
- Transparent serial port
- Dual Access with Private mode
- DDC emulation
- Surge-protected CATx interfaces
- Keyboard and mouse emulation ensures CPU boots under all circumstances
- Fully independent ports for enhanced reliability
- Status indicator LEDs on RJ45 ports
- Each port powered directly by connected PC
- Rack mount chassis (2U)

Compatibility

The SDRK/6AD Local Hub offers full compatibility with the following KVM extender Remote units:

- SDLink/MAR
- SDLink/RA
- SDRK/6RA
- SDBX/RA1
- SDBX/RA2
- SDBX/RA4
- SDM/RA2

May be used with standard SDBX, SDLink and SDM Remote Units for video only applications



Rear view

Specification

Video

- Maximum Resolution** Determined by Remote Unit
- Extension Range** Up to 50m or 300m depending on choice of Remote Unit
- Video Compatibility** VGA to UXGA, RGB
- Video I/O** 0.7V P-P
- VESA DDC** Hub port emulates universal monitor. Custom DDC information can be supplied; contact Technical Support for details.
- Video Compensation** Set at Remote unit
- Video Coupling** DC
- Sync I/O** H/V or composite TTL level
Sync polarity is preserved
- Video In Connectors** DB25 (female)
- 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 (CPU)** DB25 (female) (KVM)
- Connectors (Device)** 6-pin miniDIN socket

Serial Interface

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

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
- Local Connectors** 3.5mm stereo jack socket (Line 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

- Local Port** 5V DC at up to 200mA. Each port powered individually by connected PC. Requires optional PSU for video/serial only applications.
- Local Hub PSU** *Optional* - required for video/serial only applications.
5V DC, 20W (4A)
(certified to all relevant safety standards)
Universal IEC input
2.5mm DC jack (centre positive)

Size and Shipping Weight

- Size** 482x112x88mm (2U)
- Shipping Weight** 3.61 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

SDRK/6AD

KVM Extender

6-Port Local Hub

Example Application

Touch screen network with local access to CPUs through KVM switch

