

SDRK/6S

KVM Extender 6-Port Local Hub

Extends up to six channels of high-resolution video, PS/2 keyboard and mouse, 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)**
- **Serial port extension**
- **DDC emulation**
- **Surge-protected CATx interfaces**
- **Fully independent ports for enhanced reliability**
- **Status indicator LEDs on RJ45 ports**
- **Keyboard and mouse emulation ensures CPU boots under all circumstances**
- **Each port powered directly by connected PC**
- **Rack mount chassis (1U)**

Compatibility

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

- SDLink/RS

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



Rear view

SDRK/6S

KVM Extender

6-Port Local Hub

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)

Keyboard and Mouse

KB Compatibility	PC/AT, PS/2
Mouse Compatibility	Standard PS/2 two/three button Standard wheel mice
Connectors	DB25 (female) (KVM)

Serial Interface

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

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	<i>Optional</i> - 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	482x112x44mm (1U)
Shipping Weight	2.60 kg

Environmental

Example Application

SDRK/6S Hub used with SDLink/RS units to extend up to six CPUs to touch screen consoles

