

SDMX/DA2

Dual Channel PS/2 Mini Extender Kit

All you need to extend two 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 with access at both Local and Remote units.

- **Dual-head video support at both Local and Remote consoles**
- **Dual access with Private Mode**
- **High video resolution: 1600x1200@75Hz over 50m**
- **DDC emulation on both video channels**
- **Flash upgradeable**
- **Control and video tuning from Remote keyboard (settings stored in EEPROM memory)**
- **Surge-protected CATx interfaces**
- **Bi-directional stereo audio**
- **Transparent serial port**
- **Status indicator LEDs on RJ45 ports**
- **Small footprint chassis**
- **Rack mount kit available**

Remote unit - front view



Contents

- Extender Remote unit
- 5V DC universal power supply for Remote unit
- Extender Local unit
- KVM CPU combination cable (1.0m) with PS/2 keyboard and mouse connectors, VGA video connector and 25-way extender connector
- CPU secondary video cable (1.0m) with VGA video connectors
- Serial cable (1.0m)
- Dual audio cable (1.0m) with 3.5mm stereo plugs
- IEC AC power cord
- Quick start guide



Local unit - rear view

Specification

Video

Maximum Resolution	1600x1200@75Hz over 50m
Video Compatibility	VGA to UXGA, RGB
Video I/O	0.7V P-P
VESA DDC	Local Unit emulates universal monitor. DDC information may be disabled, flash-upgraded or read from remote monitor.
Video Compensation	Two ranges: 5-25m, 25-50m; set by keyboard command
Video Coupling	DC
Sync I/O	Separate/Composite TTL level Sync on green Sync polarity is preserved
Video In Connectors	Primary video: DB25 (female) Local Units (KVM); Secondary video: HD15 (male)
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
Connector (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
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
Local Connectors	2x3.5mm stereo jack socket (Line In & Line Out)
Remote 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

Local Unit	5V 250mA (max) supplied by PC's PS/2 keyboard port. External PSU (not included) may also be connected to Unit's 2.1mm DC jack socket
Remote Unit	5V DC, 0.75A (max) 2.1mm DC jack (centre positive)
Remote Unit PSU	5V DC, 4A (20W) Universal IEC input 2.1mm DC jack (centre positive)
Overvoltage Protection	Units switch off if input exceeds 5.6V

Size and Shipping Weight

Local Unit	145x100x44mm (1U)
Remote Unit	138x100x44mm (1U)
Shipping Weight	2.3 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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Application

