



## Mini CAT5 KVM extender

Supports VGA video at resolutions up to 1600 x 1200

Extends keyboard, video, mouse, serial, and signals up to 150 feet away using CAT5 cable

Single or Dual models

Serial and full stereo audio options

Easily adapted to your system

## Features and Benefits

- Supports:
  - VGA video modes
  - PS/2 keyboards and mice
  - Serial and Full stereo audio (optional)
- Single and Dual models available. The Dual model allows for an additional local user
- Extend a KVM station up to 150 feet away from a CPU using CAT5 cable:
- Video resolutions up to 1600 x 1200
- Compatible with Rose Electronics KVM switches such as ServeView Pro, UltraView Pro, and UltraMatrix
- Operating system independent
- Uses a microprocessor to emulate the keyboard and mouse. The keyboard and mouse on the receiver unit do not have to be connected for the PC to boot; only the transmitter must be connected to the PC.
- Fully automatic KVM sharing (Dual access models)

## The CrystalView™ Mini Advantage . . .

The CrystalView system consists of two units, a Local Unit and a Remote unit. The Local unit connects to your CPU using a CPU adapter cable or a KVM switch. The Remote Unit connects directly to the keyboard, video monitor and mouse cables of a KVM station. The Local and Remote Units are connected together with up to 150 feet of industry standard CAT5 cable.

The CrystalView Mini is available in four models, the PC single, PC dual, the PC single with Serial/Audio, and the PC dual with Serial/Audio. The dual model provides an additional KVM station connection on the Local Unit allowing access to the CPU from both units.

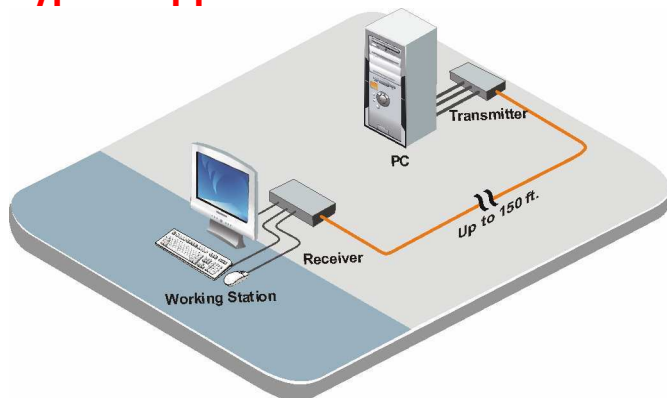
The CrystalView Mini uses a microprocessor to emulate the keyboard and mouse for plug and play operation. The keyboard and mouse on the Remote Unit do not need to be connected for the PC to boot; only the Local Unit must be connected to the PC.

The Serial/Audio model allows stereo audio to be transmitted in either direction across the CAT5 link simultaneously. Many serial devices like a Touchscreen can plug directly into the serial port on the Remote Unit. The Mini model is small in size but loaded with state of the art technology. It is ideal for extending the distance between a CPU and a KVM station (up to 150 feet).



Small in size, loaded with features

## Typical Application



Accessing a computer from two locations,  
one is local, the other is 150 feet away

**CrystalView Mini basics** The CrystalView Mini consists of a local unit that connects to a PC, server, or KVM switch and a remote unit that connects to a keyboard, monitor, and mouse, or KVM switch. The local and remote units are connected together with up to 150 feet of standard CAT5 cable.

The ideal way to apply the CrystalView Mini is to connect the Local unit to a Rose Electronics KVM switch. Expanding the switch allows access to 1,000 computers or servers. The Rose KVM switch can be connected between the Local unit and computers, the KVM station and the remote unit, or both.

**Installation** Installing the CrystalView Mini is as easy as connecting the KVM station to the remote unit, a computer to the local unit, and connecting the local and remote units together with CAT5 cable.

**Models** The CrystalView Mini is available in four different models. The single user, single user with serial/audio support, dual user, and dual user with serial/audio support.

**Keyboard and mouse emulation** The CrystalView Mini uses a microprocessor to emulate the keyboard and mouse. This means that the keyboard and mouse on the remote unit does not have to be connected for the PC to boot. Only the Local unit must be connected to the PC.

### Part numbers

CRK-M1P-2	Single KVM Extender units
CRK-M2P-2	Dual KVM Extender units
CRK-M1P/AUD	Single KVM Extender units w/serial-audio
CRK-M2P/AUD	Dual KVM Extender units w/serial-audio

Note: CRK part numbers consist of a local and remote unit

### Dimensions / Weight

	Width	Depth	Height	Weight
Single (in)	3.25	4.50	1.00	0.55 lbs
Single (cm)	8.25	11.43	2.54	250 gm
Dual (in)	3.25	4.50	1.75	0.70 lbs
Dual (cm)	8.25	11.43	4.45	318 gm
Audio (in)	3.25	4.50	1.75	0.70 lbs
Audio (cm)	8.25	11.43	4.45	318 gm

## Specifications

### Video:

Resolution	1600 x 1200 @ 100 feet 1024 x 768 @ 150 feet
Compatibility	SVGA, VGA, XGA, RGB
Levels	0.7V p-p
Sync type	Separate/composite TTL level

### Support:

Keyboards	PC/AT, PS/2
Mouse	PS/2 two button Microsoft IntelliMouse Logitech three button

### Connectors:

CPU	DB25F
Video	HD15F
Keyboard	PS/2 – MiniDin-6F
Mouse	PS/2 – MiniDin-6F
Serial	Local – DB9F Remote – DB9M
Audio	(2) 3.5mm stereo jacks
Interconnect	CAT5 UTP/STP, EIA/TIA 568

### Power:

Local	From PC
Remote	9V 1,000 ma external

### Serial Data:

Baud Rate	up to 19,200
Data Flow	Format independent
Flow control	RTS, CTS, DTR, DSR

### Audio Data:

Signal level	5V p-p
Impedance	47KΩ
Connectors	3.5mm stereo jack
Transmission	16 bit, 38.4KHz Digitized audio
Microphone	Powered or un-powered
Speakers	Powered

### Environmental:

Temp.	32°F – 113°F (0°C – 45°C)
Humidity	0% – 80% non-condensing
Approvals:	CE

Single

Dual



Single w/serial-audio

Dual w/serial-audio

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