

CrystalView Mini



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.

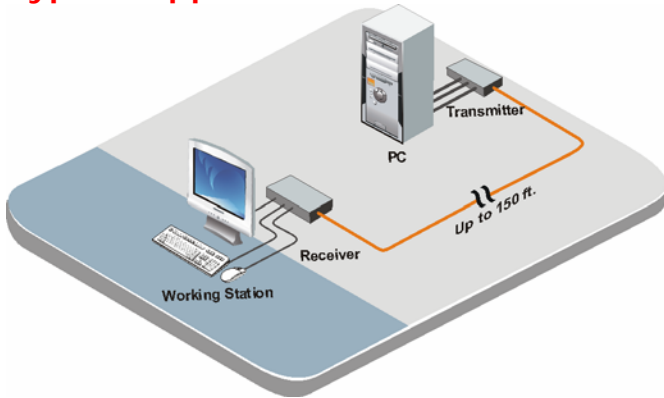
The CrystalView Mini uses a microprocessor to emulate the keyboard and mouse for plug and play operation. The keyboard and mouse on the Remote Unit do not need to be connected for the PC to boot; only the Local Unit must be connected to the PC.

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 Single KVM Extender units
 CRK-M2P 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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