CrystalView CAT5

CAT5 KVM extender

Supports VGA video at resolutions up to 1600 x 1200
Extends keyboard, video, mouse, serial, and audio signals up to 1,000 feet away
PS/2, Sun, or USB support
PS/2 Single or Dual models
PS/2 Serial and full stereo audio options
Easily adapted to your system

Features and Benefits

- Supports:
  - VGA video modes
  - PS/2, Sun or USB 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 1,000 feet away from a CPU using CAT5 cable
- Video resolutions up to 1600 x 1200 @ 60Hz
- Video equalization and gain controls to adjust brightness and clarity
- 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 remote unit do not have to be connected for the PC to boot; only the local unit must be connected to the PC.
- Fully automatic KVM sharing (Dual access models)
- Rack mount kits available in 19”, 23”, and 24” sizes

The CrystalView™ CAT5 Advantage . . .

The CrystalView CAT5 is the KVM extender of choice for businesses big and small that must control a computer from an extended distance.
The CrystalView CAT5 allows you to position a computer up to 1,000 feet away from the KVM station using common twisted pair CAT5 cable. Video equalization and gain controls on the remote unit adjust brightness and clarity to compensate for image quality loss over long cable lengths.
Access to your computers is made convenient in a variety of situations. You can locate users away from hazardous industrial environments; locate computers away from areas vulnerable to theft of hardware and data, reduce noise and heat, and increase desk and floor space.
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 CrystalView CAT5 extender is available in following models:
- PC single or dual access
- PC single or dual access with serial and audio
- SUN single or dual access
- USB dual access
The dual access versions provide for a second KVM station at the local unit, giving access to the computer from either the local or remote unit.
Typical Application

Accessing a computer from two locations, one is local, the other is 1,000 feet away.

CrystalView CAT5 basics

The CrystalView CAT5 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.

The local and remote units are connected together with up to 1,000 feet of standard CAT5 cable.

The ideal way to apply the CrystalView CAT5 is to connect the Local unit to a Rose Electronics KVM switch. Expanding the switch allows access to 1,000 computers or servers.

Installation

Installing the CrystalView CAT5 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 CAT5 is available in PS/2, SUN, and USB models with serial and audio options.

Keyboard and mouse emulation

The CrystalView CAT5 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-1P Single KVM Extender (Local and Remote)
CRK-2P Dual KVM Extender (Local and Remote)
CRK-1USB Single access – USB
CRK-2USB Dual access - USB
/AUD suffix = audio and serial option
/SUN suffix = SUN connectors

Specifications

Dimensions | Width | Depth | Height | Weight
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Single (in) | 8.80 | 3.40 | 1.75 | 1.40 lbs
Single (cm) | 22.3 | 8.64 | 4.45 | 0.61 kg
Dual (in) | 8.80 | 3.40 | 1.75 | 1.60 lbs
Dual (cm) | 22.3 | 8.64 | 4.45 | 0.72 kg

Video:

Resolution: 1600 x 1200 (200feet)
1280 x 1024 (300 feet)
1024 x 768 (300 – 1,000 feet)

Compatibility: SVGA, VGA, XGA, RGB

Levels: 0.7V p-p

Sync type: Separate/composite TTL level

Support:

- Keyboards: – PC/AT, PS/2, SUN, USB
- Video: – VGA, SVGA, XGA, RGB
- Mouse: – PS/2, SUN, USB
- Microsoft IntelliMouse
- Logitech three button

Connectors:

- Video in/out: HD15F
- CPU connect: HD15F, PS/2, PS/2 or USB type B
- Keyboard: PS/2 – MiniDin-6F
- Sun – MiniDin-8F
- USB – USB type A
- Mouse: PS/2 – MiniDin-6F
- Sun – MiniDin-8F
- USB – USB type A
- Serial: Local – DB9F
- Remote – DB9M
- Audio: (2) 3.5mm stereo jack
- CAT5: RJ45F

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. 0°C – 45°C
- Humidity 0% – 80% non-condensing

Approvals: CE

Receiver (top)

Transmitter (bottom)