

MultiStation CATx

DUAL KVMs TO ONE COMPUTER



ADVANCED DUAL MULTISTATION

Extend keyboard, video, and mouse up to 1,000' over CATx cable to two KVM work stations

Advanced automatic compensation and equalization

Automated video skew adjustments (Option)

Models available with PS/2 or USB connectors

Supports video resolutions up to 1600 x 1200

Kit contains one transmitter and two receivers

Features and Benefits

- Cable length compensation adjustments are automatically performed
- Video equalization and gain can be fine tuned with simple keyboard commands
- Optional automatic skew adjustments produce a crystal clear display no matter what cable type is used
- Supports:
 - SVGA, VGA, XGA, RGB video modes
 - PS/2 or USB keyboards and mice
 - Automatic Skew Adjustment (optional)
- Extend two KVM station up to 1,000 feet away from a CPU using CATx cable (CAT5, 5e, 6, or 7)
- Video resolution up to 1600 x 1200 @ 60Hz
- Video is displayed on both KVM stations, keyboard and mouse operate independently on a first come, first serve basis
- Compatible with Rose Electronics KVM switches
- Operating system independent
- Supports 35 different country specific operating systems and keyboards
- 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
- Made in USA

The MultiStation™ CATx Advantage

The MultiStation CATx is the product of choice for home or business use where access to a computer from two remote locations is needed.

The MultiStation CATx allows you to position a computer up to 1,000 feet away from two KVM station using common twisted pair CATx cables.

Use any length or type of data cable up to 1,000 feet, MultiStation CATx will automatically calculate the cable length, set the gain and equalization, and adjust the video skew (option) to provide a crystal clear image. No jumpers to set or knobs to adjust.

Remote 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.

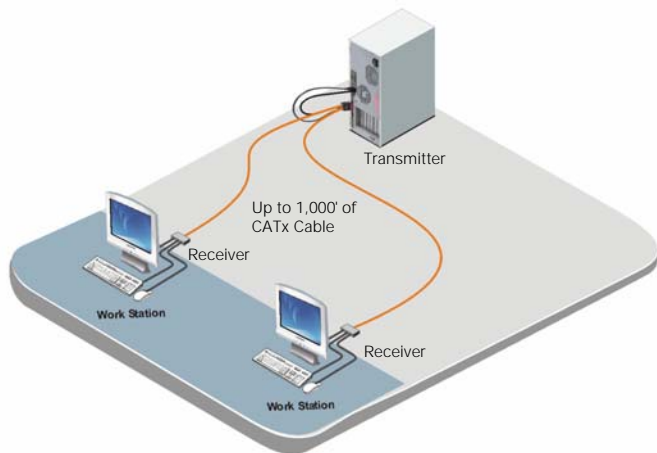
MultiStation CATx extender is available in the following models:

- PS/2 Dual access
 - USB Dual access
- Options:
Automatic video skew adjustments



Connects directly to a PC's Video, keyboard, and mouse ports

Typical Application



Remote and local access using Dual model

MultiStation CATx basics The MultiStation CATx system consists of a transmitter unit that connects to the video, keyboard, and mouse ports on a PC, server, or to a KVM switch. The receiver units connect directly to a keyboard, monitor, and mouse. The transmitter and receiver units are connected together with up to 1,000 feet of standard CATx cable.

When you initialize the MultiStation CATx, it automatically senses the cable distance between the both receivers and the transmitter units, automatically adjusts the gain, and sets up everything for you. There are keyboard commands that allow you to fine tune the video, but they are rarely needed.

The auto-skew models will automatically adjust the RGB video components to produce a crystal clear display through patch panels and different cable types.

The ideal environment for the extender is to connect the transmitter unit to a Rose Electronics KVM switch. Expanding the switch allows access to multiple computers or servers.

Installation Installation is as easy as connecting the KVM stations to the receivers, a transmitter unit to the computer, and connecting the receivers and transmitter units together with CATx cable.

Models The MultiStation CATx is available with PS/2 or USB keyboard and mouse connectors.

Keyboard and mouse emulation The MultiStation CATx uses a microprocessor to emulate the keyboard and mouse. This means that the keyboard and mouse on the receiver unit does not have to be connected for the PC to boot. Only the transmitter unit must be connected to the PC.

Part Numbers

(Transmitter and receiver kits w/auto equalization)

P/N	Description
MLK-TMDVPRAVP	Dual access PS/2, VGA KVMs to one CPU kit
VLK-TMDVURAVU	Dual access USB, VGA KVMs to one CPU kit
MLT-MDVU	Dual transmitter, USB, VGA KVMs to one CPU
MLT-MDVP	Dual transmitter, PS/2, VGA KVMs to one CPU
MLR-AVU	Receiver, USB, VGA
MLR-AVP	Receiver, PS/2, VGA

-W suffix = Automatic Skew Adjustment Option for receivers

Specifications

Dimensions	Width	Depth	Height
Transmitter (in / cm)	1.3 / 3.3	1.75 / 4.4	1.3 / 3.3
Receiver (in / cm)	2.68 / 6.8	2.625 / 6.67	1.0 / 2.54

Transmitter (oz / gr)	2.4 / 68
Receiver (oz / gr)	2.0 / 56

Video:

Resolution 1600 x 1200 (300feet)
1280 x 1024 (500 feet)
1024 x 768 (500 – 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,
Video – VGA, SVGA, XGA, RGB
Mouse – PS/2 two button
Microsoft Compatible
Logitech Compatible

Connectors:

PC model Video – HD15M
Keyboard/Mouse – PS/2
USB model Video – HD15M
Keyboard/Mouse – USB type A

Interconnect RJ45 - CATx UTP/STP, EIA/TIA 568 (CAT5, 5e, 6, or 7)

Power: Local – From PC
Remote – +5V 1.0 A external

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



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