MultiStation CATx

DUAL KVM PC SHARING

ADVANCED DUAL MULTISTATION

Extend keyboard, video, and mouse up to 1,000' over CATx cable to two Windows 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 1920 x 1440

Kit contains one transmitter and two receivers

Features and Benefits

- Automatic cable length compensation adjustments
- 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 (recommended for cable lengths over 100')
- Supports:
  - WUXGA, WSXGA, SVGA, VGA, XGA, RGB
  - 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 solid core cable (CAT5, 5e, 6, or 7) (Skew model is recommended for distances over 100')
- Video resolution up to 1920 x 1440 @ 60Hz
- Video is displayed on both KVM stations
- PS/2 model keyboard and mouse functions have a 2 second lockout until the not in use keyboard can have access
- USB models keyboard and mouse access the computer simultaneously.
- 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.
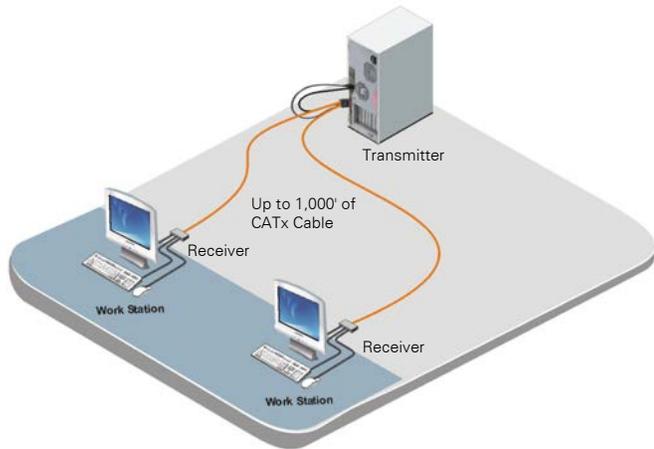
MultiStation CATx extender is available in the following models:

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

Connects directly to a PCs
Video, keyboard, and mouse ports

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Typical Application

Transmitter

Up to 1,000' of CATx Cable

Receiver

Work Station

Receiver

Work Station

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 product 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.

Sun operating systems only recognize a single USB keyboard and USB mouse. The second keyboard and mouse are non functional.

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 solid core 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
MLK-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
TRF-05D250FSUB 1.3	Receiver power adapter

-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	1920 x 1440
Compatibility	SVGA, VGA, XGA, RGB
Levels	0.7V p-p
Sync type	Separate/composite TTL level

Support: Keyboards – USB, PS/2,
Video – VGA, SVGA, XGA, RGB
Mouse – PS/2 two button
  Microsoft Compatible
  Logitech Compatible
  USB

Connectors:

PC model   Video – HD15M (Transmitter)
   HD15F (Receiver)
   Keyboard/Mouse – PS/2
USB model   Video – HD15M (Transmitter)
   HD15F (Receiver)
   Keyboard/Mouse – USB type A

Interconnect (2) RJ45 - CATx UTP/STP, EIA/TIA 568 (CAT5, 5e, 6, or 7)

Power: Local – From PC
Remote – +5V 1,0 A external (Included)

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

Transmitters

USB   PS/2

Receivers

DS-MS-CATx 1.6

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