

dataCat vu

Extends your VGA and USB peripherals up to 100m over one Cat 5/6 cable



dataCat vu KVM extender

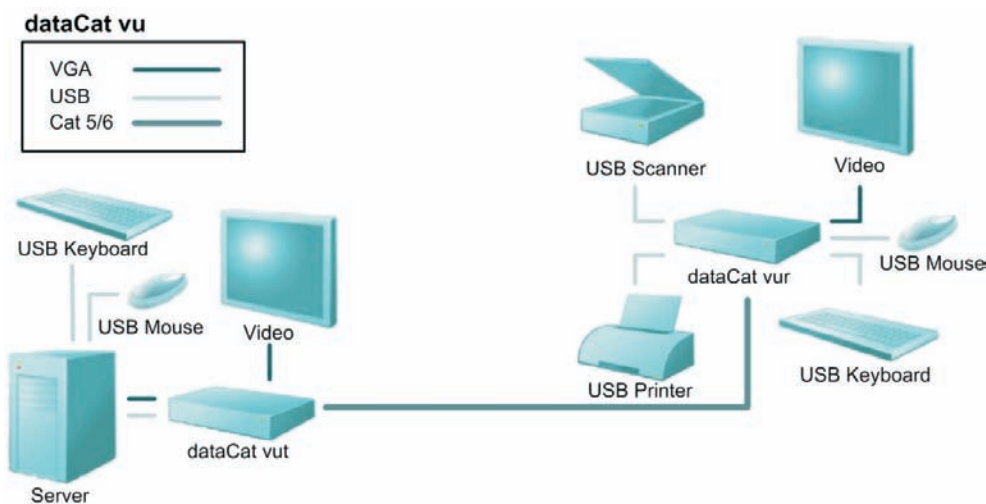
dataCat vu100 allows you to place your VGA display and USB peripheral units up to 100 meters from your PC. The product set consists of two units, the transmitter and receiver, connected by a single Cat 5/6 link cable.

Any VGA compatible display can be connected to the receiver unit and any USB 1.1 compatible peripherals, including keyboard, mouse, scanner, hard disk, and docking cradles, can be connected to the four port hub on the receiver. The transmitter unit is connected to the appropriate VGA (HD-15) and USB connectors on the computer.

CIM interconn's proprietary VGA transmission technology is unsurpassed in quality on the world market. Our USB technology is certified by the USBIF (USB implementers' forum).

The vu100 is the fifth generation of interconn's extender products which have demonstrated mission critical reliability in 24/7 applications in banks, dealer rooms, call centres, hospitals, police stations, and numerous other business, military and industrial contexts throughout Europe since 1999.

Configuration



Related products

dataCat vp	KVM extender with PS&2 connection and VGA over Cat 5/6 cabling
dataCat u	USB extender over Cat 5/6 or fiber-optical cabling
avCat	VGA and audio distribution over Cat 5/6

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How it Works

The transmitter unit is connected to the VGA and USB outputs on the computer. This unit converts the VGA signal into three balanced analogue signals (Red, Green, and Blue with horizontal and vertical sync signals carried as common mode signals on two of the colors) which are transmitted on three of the four twisted pairs in the Cat 5/6 cable. The fourth pair is used for transmitting the digital data of the USB signals which are packed, multiplexed and converted to balanced signals in the transmitter.

Transmission is in real time with no discernible delays on either video or USB. The user's display and USB peripherals are connected to the receiver unit, which converts the balanced signals back into their original VGA and USB formats.

An optional skew compensation unit can, if necessary, be provided to adjust for color shift due to the unequal twist rates of the cabling. Ask your supplier.

Features

- VGA displays and USB 1.1 peripherals can be placed up to 100 meters away from the computer
- Supports distances up to 150 m if only USB keyboard and mouse are connected
- Excellent video quality:
 - the vu100 supports resolutions up to 2048x1536 at 50 meters, and 1280x1024 at 100 meters
- All USB 1.1 peripherals are supported, including keyboard, mouse, scanner, harddisk, audio, docking cradles printers, touch screens etc.
- Transmission over Cat 5, 5e, or Cat 6, EIA/TIA 568 Pinout
- Unsurpassed video quality with high powered manual equalisation circuits
- Compatible with all standard VGA signals (RGBHV)
- Compatible with all USB 1.1 peripheral units
- Compatible with Windows 98 (and later), Linux and Mac OS 9.2 (and later)
- Compatible with most KVM switches

Technical Specifications

Maximum Resolution:	up to 2048x1536 @ 85 Hz
Maximum Distance:	100 meters
Video Compatibility:	VGA, SVGA, XGA, SXGA, UXGA
Video Bandwidth:	Transmitter: 400 MHz Receiver: 250 Mhz
Link Cable:	Cat 5/5e/6 UTP/FTP Cable, EIA/TIA 568
Storage Temperature:	-20 to 70°C (-4 to 158°F)
Operating Temperature:	5-50°C (41 to 122°F)
Connectors Receiver:	Out: 1x HD15 (VGA), 4x USB A-type In: 1x RJ45 (link)
Connectors Transmitter:	Out: 1x RJ45 (link), 1x HD15 (VGA) In: 1x HD15 (VGA), 1x USB B-type
Power Supply:	5 V DC 1.0 A

