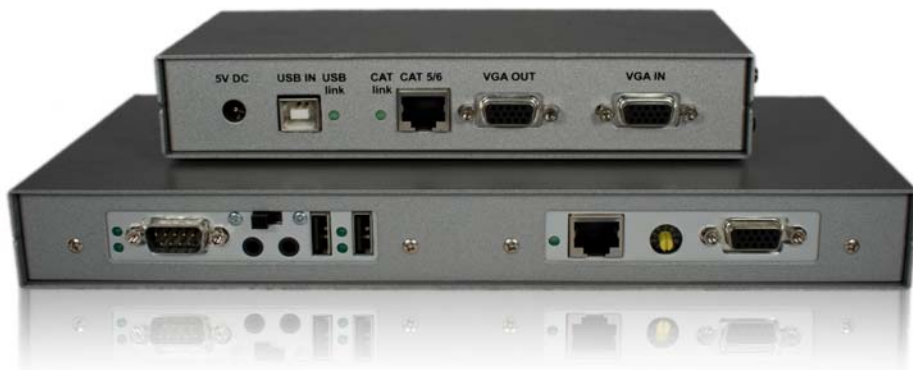


dataCat vusa

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



dataCat vusa KVM extender

dataCat vusa100 allows you to place your VGA display, USB keyboard and mouse, RS232 device and audio equipment up to 100 meters from your PC. The product set consists of two units, the transmitter and receiver, connected by two Cat 5/6 link cables.

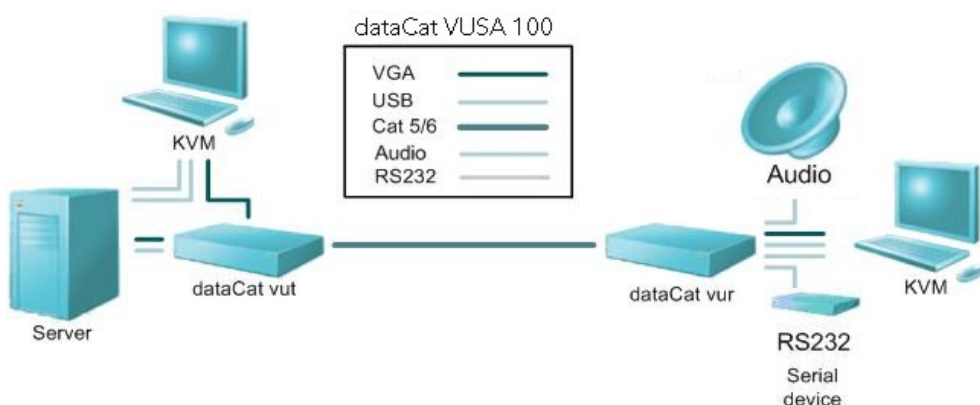
Any VGA compatible display can be connected to the receiver unit and any USB 1.1 compatible keyboard and mouse can be connected to the two port hub on the receiver. The RS232 serial device can be connected to the Serial port on the receiver and an audio speaker set can be connected to the Audio jack.

The transmitter unit is connected to the appropriate VGA connectors (HD-15) and USB port on the computer. Both Serial and Audio are transmitted over USB.

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 vusa100 utilizes 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 vu KVM extender with USB 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 connectors and USB outputs on the computer. This unit converts the VGA signals into three balanced analogue signals (Red, Green, and Blue with horizontal and vertical sync signals carried as common mode signals on two of the colours) which are transmitted on three of the four twisted pairs in the Cat 5/6 cables. 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 displays, USB peripherals, RS232 device and the Audio equipment are connected to the receiver unit, which converts the balanced signals back into their original VGA, USB, Serial and Audio formats.

We also provide high res solutions with skew delay compensation to adjust for colour shift, due to the unequal twist rates of the cabling. Ask your supplier.

Features

- VGA displays, USB keyboard and mouse, an RS232 device and Audio 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 vusa100 dual supports resolutions up to 2048x1536 at 50 meters, and 1280x1024 at 100 meters
- All USB 1.1 peripherals are supported, including keyboard, mouse, scanner, hard disk, audio, docking cradles printers, touch screens etc.
- Transmission over Cat 5, 5e, or Cat 6, EIA/TIA 568 Pin out
- 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 568B
Storage Temperature	-20 to 70°C (-4 to 158°F)
Operating Temperature	5-50°C (41 to 122°F)
Connectors Receiver: Jack	Out: 1x HD15 (VGA), 2x USB A-type, 1x Serial DB9, 1x mini Jack
Connectors Transmitter	Out: 1x RJ45 (link) In: 2x HD15 (VGA in and out), 1x USB B-type
Power Supply	Transmitter: 5 V DC 1.0 A Receiver: 5 V DC 1.0 A