



BLACK BOX[®]

NETWORK SERVICES

DVI-D KVM Extender AT



ACS2228A-MM
Multimode PS/2
Dual Head version

Extend your console up to 125m away from your PC using CATx cable, up to 400m using multimode or even up to 2 km using single mode fibre optic cable.

Support for stereo audio and serial to attach touchscreen and speakers

Versions available for PS/2 keyboard / mouse or USB keyboard / mouse. Both in a single or dual head video version

Digital Videoprocessing with brilliant video quality up to 1920@60Hz up to maximum distance

PS/2 Dual-Access (for connecting a local console; USB with DVI loop-through for local Monitor)

Optional transmission of DDC from remote to local unit or usage of an internal DDC table

Compatible with all operating systems and many KVM switches

Optional 19" rackmountkit for up to 4 units in 1 RU

The DVI-D KVM Extender for the Technology of tomorrow

DVI was introduced some years ago for the optimal video performance of digital displays, like TFT's. Nowadays most displays as well as graphic cards are equipped with DVI.

DVI, USB and more

Our new DVI-D KVM Extenders AT (Advanced Technology) support one or two DVI-D videosignals, as well as PS/2 keyboards and mice or USB HIDs (Human Interface Device) like classic keyboards, mice and even touchscreens, tableaux or other pointing devices.

Serial and audio

These new KVM Extenders AT support even stereo audio as well as serial data transmissions enabling you to add a touchscreen and speakers with high fidelity audio to your system.

Solutions for every distance

Extend your servers up to 125 m

using economical CATx cable. For long distance or secure applications choose the fibre versions transmitting crisp and clear signals up to 400 m over multimode respectively up to 2 km over single mode cable.

Excellent Videoquality

Using advanced compression-algorithms we make it possible to use simple cables for your KVM extensions. With the advanced video technologies even when running 1920x1200 you will get the crystal-clear image you expect when using digital technology. Furthermore the Extender offers a selectable choice for color depth of either 18bit (256K colors) or 21bit with dithering.

Due to the advanced compression, the impact on motion pictures is minimal and usually not even recognizable. And best of all: you get the same high quality no matter what length you use, due to our superior digital transmission.

19" Rackmountable or Tabletop

The compact housing enables you to put up to 4 units in our 1RU Rackmountkit. Of course, the unit also fits on your desktop and occupies very little space.

Dual Access

The integrated loop-circuit with the PS/2 versions enables you to attach a second console (Keyboard, Mouse and Video) right near the PC. This dual access helps you to administrate the computer(s) more efficiently. For example you could connect the local console ports to a KVM switch and control several computers from both a local console or from a remote console. The USB versions allow you to connect a local monitor.

Dual Video

Choose the dual video version, when you have multi-video applications: you will save space and money. Both versions are available with either PS/2 or USB



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Technical Data

Input connectors — all Single Video versions: (1) DVI-D female single link;
all Dual Video Versions: (2) DVI-D female single link

Output connections — (1/2) DVI-D female single link (not HDCP compliant)

Keyboard/Mouse — ACS2028A, ACS2028A-MM/SM, ACS2228A,
ACS2228A-MM/SM: local: (1) PS/2 Mini-DIN 6 F;
Remote: (2) PS/2 Mini-DIN 6, (1) DB9 M, (2) 3,5 mm audio jacks;
ACS4022A, ACS4022A-MM/SM, ACS4222A, ACS4222A-MM/SM remote:
(2) USB Type A, (1) DB9 M, (2) 3,5 mm audio jacks

Link — Remote & local:

CATx Single Video: (1) RJ45 F; CATx Dual Video versions: (2) RJ45 F
MM and SM versions: Single Head: (2) LC; Dual Video: (4) LC

Resolution — up to 1920 x 1200@60 Hz; selectable choice for colour depth of
18Bit (256K) or 21Bit (2M colours)

Distances (max) — CAT5/5e/6/7: 125 m; Multimode: 200m @ 62,5 µm fibre,
400 m @ 50µm fibre, Single Mode: 2 km @ 9 µm fibre

Power — 90-240V external power adapter

Dimensions — 103 x 42 x 143 mm (WxHxD)

Applications

How can the CATx DVI-D KVM Extender help you?

Everytime, when you want to separate the PC from the console, but can't to accept any loss in video quality, our DVI Extender is the product for you.

Why does it make sense to separate the console from the CPU?

- protection against harsh environments (dust, water, vibrations,....)
- secure your hardware (Safety against thefts and data manipulation)
- control your PCs from a central location: Configuration and administration from one single location.
- protect your investment by putting all your PCs in a temperature controlled, fire- protected server room
- reduce noise pollution in the office

Who are the ideal customers of this product?

- Industry (harsh environments)
- POS (Point-of-Sales) in libraries, convention centres, banks and insurance agencies
- airports (flight control, passenger information systems)
- Food Production industry
- Digital Signage Applications

Also ideal for secure applications where the user is not permitted to have access to the PC.

Order information

Description partnumber

CAT x DVI-D KVM Extender AT
 for PS/2 Keyboard/Mouse Dual Access, Single Video ACS2028A
 for PS/2 Keyboard/Mouse Dual Access, Dual Video ACS2228A
 for USB Keyboard/Mouse, Single Video ACS4022A
 for USB Keyboard/Mouse, Dual Video ACS4222A

Multimode DVI-D KVM Extender AT
 for PS/2 Keyboard/Mouse Dual Access, Single Video ACS2028A-MM
 for PS/2 Keyboard/Mouse Dual Access, Dual Video ACS2228A-MM
 for USB Keyboard/Mouse, Single Video ACS4022A-MM
 for USB Keyboard/Mouse, Dual Video ACS4222A-MM

Single mode DVI-D KVM Extender AT
 for PS/2 Keyboard/Mouse Dual Access, Single Video ACS2028A-SM
 for PS/2 Keyboard/Mouse Dual Access, Dual Video ACS2228A-SM
 for USB Keyboard/Mouse, Single Video ACS4022A-SM
 for USB Keyboard/Mouse, Dual Video ACS4222A-SM

Rackmountkit
 for up to 4 units ACS2209A-RMK

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Free Tech Support***

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