



BLACK BOX[®]

NETWORK SERVICES

ServSwitch DVI/VGA-Extender



Key Features

- ▶ Supports VGA and DVI in all combinations
 - Fibre Optic & Copper (Cat5) versions available
- ▶ Distances of up to 10 km (Fibre) and 100 m (Copper)
- ▶ Single & Dual Access (Local Console) versions
 - Video resolutions up to 1600 x 1200
- ▶ Modular design allows enhanced functionality (USB, Audio, Serial)
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DDXi – Digital KVM Extension with no loss in image quality Use DDXi to remotely locate you monitor, keyboard and other peripheral devices up to 10 km from the CPU. Digital extension technology ensures perfect image quality no matter how far you extend!

Why does it make sense to remotely locate a CPU?

- Protection computers against dust, water and vibration
- Avoid theft and protect against unauthorized installation of software
- Simplify maintenance, configuration and administration of multiple users computers by co-locating them
- Save costs by installing air conditioning and high-speed networking equipment in a central server room
- Cut out noise in the work place

DDXi Applications

- Financial (remote users and server control)
- Call Centres (co-locate user's computers)
- Industrial (fibre optic isolation)
- Information Terminals & Kiosks
- Airports (air traffic control, passenger information systems)
- KVM extension where exceptional image quality is required
- Medical – using computer tomographs generates strong magnetic fields, which make it impossible to use monitors. Using fiber optic cables allows remote location of monitors that require a very high screen resolution.

DDXi – The Future of KVM Extension

With Flat panel displays becoming more prevalent it is natural to drive them digitally through their DVI interface to obtain optimum image quality. DDXi supports DVI extension up to resolutions of 1600 x 1200 to ensure the benefits of using DVI are maintained even if you locate your monitor 10 km away!

VGA, DVI and more

DDXi supports traditional analog VGA as well as digital DVI. All combinations of DVI and VGA (graphics cards and monitors) are supported, allowing equipment to be mixed. You could use DDXi today to extend (with perfect image quality) your existing SVGA equipment. If you later purchase a DVI monitor you can use it with DDXi even though your computer is equipped with a VGA graphic card. When you finally upgrade to a DVI graphic card, DDXi will continue to extend your system without any reconfiguration.

Flexibility

DDXi has a modular architecture providing superb flexibility. Not only are all standard peripheral connections supported (PS2, SUN) but also the different cabling interfaces (depending on model) for bridging the required distance: Use Cat5 network cable, Multi-mode or Singlemode fibre cables. Other interfaces may also be added such as Serial Port for Touch-Screen, Stereo Audio, Base-Band Video Transmission, USB, 10BaseT Network Management, Parallel Port or other custom interfaces.

Highlights

- Perfect Image Quality at all Resolutions
- Supports both VGA and the latest DVI video interfaces (future proof your investment)
- Supports Mixed DVI and VGA operation
- Video Resolutions up to 1600 x 1200 @ 60Hz using Cat5 or Fibre Optic Cable
- Local Console Option (Dual Access)
- Transparent USB (1.1) Extension Option
- No length restrictions for particular video resolutions
- Fibre Optic extension uses only TWO Fibres!
- 100 m with regular Cat5 cable (200 m with repeater)
- 200 m with 62,5/125 u Multimode Fiber Cable
- 400 m with 50/125 u Multimode Fiber Cable
- 10 km with 9/125 u Singlemode Fiber Cable
- Compatible with all operating systems
- Compatible with all major KVM Switches
- Rack Mount options (19"): Mount up to 3 devices in 19"/1U or up to 6 devices in 19"/2U. This saves expensive rack space

Specifications

Video Interface — SXGA, SUN, DVI
Resolution — 1600 x 1200 @ 60 Hz
 All lower resolutions operate up to 75 Hz vertical refresh

Keyboard/mouse Options — PS/2 or USB

Power Supply — Universal Switchmode PSU (90-240V input)

Dimensions — 148 x 170 x 43 mm desktop device (19" rack brackets av.)
 19"/1U housing to mount up to 3 devices
 19"/2U housing to mount up to 6 devices

Interconnection Options — Multimode 50/125µ or 62,5/125µ, SC-Connector; Singlemode 9/125µ, SC-Connector, Cat5/5e/6

Maximum Distances — 100 m (200m) Cat5, 200m (62,5µ), 400 m (50µ), 10 km (9µ)

Upgradable — Onboard Flash

KVM-Access — Single / Dual KVM options

Ordering information

ITEM	CODE
ServSwitch DVI/VGA-Extenderkit PS/2, Dual Access Cat5/5e/6	ACS253A-CT
Multimode	ACS253A-MM
Singlemode	ACS253A-SM
ServSwitch DVI/VGA-Extenderkit USB	
Multimode	ACS253A-U-MM
Singlemode	ACS253A-U-SM
Rackmountkit, housing to mount up to 3 devices	ACS253A-RMK

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