CATx DVI Matrix Switch

- ▸ Uses standard CATx interface
- ▸ Extend KVM Stations (Consoles) up to 460' from the switch, and CPUs up to another 460' from the switch
- ▸ Supports resolutions up to 1920 x 1200 @ 60 Hz
- ▸ Instant video switching
- ▸ Software bundles available to customize the application

Features and Benefits

- Extend your KVM stations and computers up to 460 feet on either side of the switch

- Supports resolutions up to 1920 x 1200, 1080p or 2K with DVI-D Single Link

- Connects easily to any computers with a VGA port

- Intuitive OSD for easy use and configuration at each station

- Six models available having the number of CATx ports to match your needs – 8, 16, 32, 48, 64 and 80 ports.

- Each port on the Orion XC will be automatically configured as an input or output port depending on the type of extender that is connected. If a transmitter is connected, the port becomes an input port. If a receiver is connected, the port becomes an output port.

- Switches video sources of the same resolution instantly with no delay or display blanking

- CATx ports can handle mixed signals:
  - USB-HID
  - DVI or VGA Input
  - Transparent USB 2.0
  - Serial
  - Analog or Digital Audio

- Has redundant PSU – when one PSU experiences a failure condition, the other PSU automatically takes over.

- Rack mountable – the 64 and 80 port models are size 2U, other models are size 1U

- Status LEDs on all units

- Four easy-to-buy optional extras to cater for all requirements

The Orion XC Advantage . . .

The Orion XC offers new and unique features that make it one of the most versatile and powerful products available.

Video sources running at the same resolution can be switched instantly with no delay or blanking, which makes it ideal for command centers, broadcast applications, financial institutions and many others.

The Orion X comes in a variety of models, with different number of CATx ports, depending on the desired application. These can be easily scaled up or down as needed by cascading and stacking them.
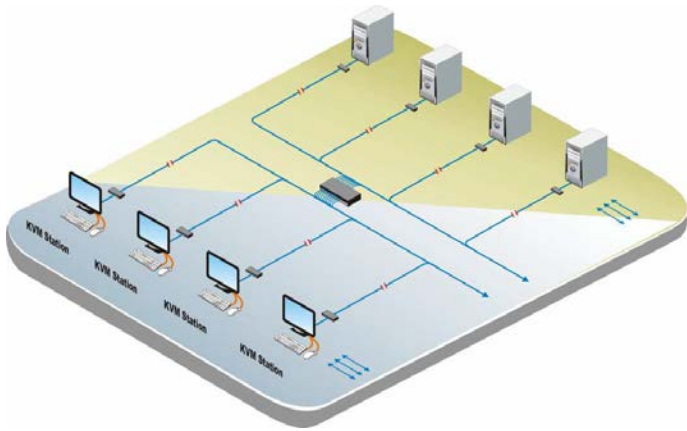
The uniqueness of the CATx ports is that they can be either an input port or an output port. These I/O ports automatically configure to an input or output port depending on whether a Transmitter or Receiver unit is connected to it. This feature allows you to set up the unit to match your system. If you have 10 users and 40 computers, it can be set up for 40 inputs and 10 outputs. Any system configuration where the inputs plus outputs equals the number of CATx ports on the unit or less can be accommodated.

The CATx ports can handle mixed signals coming from and going to the connected Transmitters and Receivers, leading to a variety of options. They can be DVI or VGA video, USB HID, USB 2.0, Serial and Analog or Digital Audio.

Easy-to-buy software bundles offer optional extras to cater for all requirements. The tiered layers of software bundles are:

Bundle 1: JAVA Tool, Extended Switching and Presets
Bundle 2: Bundle 1 and additional API
Bundle 3: SNMP and Syslog for unit monitoring
Bundle 4: Cascading / Stacking
Bundle 5: Multi-Screen Control

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Typical Application

Overview   The Orion XC system consists of the main unit, a transmitter unit for each connected computer and a receiver unit for each connected KVM workstation. The transmitter and receiver units are available in several models. These models are selected to match the computer's and KVM workstation's configuration. The transmitter and receiver units are connected to the Orion XC using CATx cable.

Installation   The Orion XC can easily be installed to streamline and simplify your system requirements. There is no need to configure the I/O ports because the unit automatically determines if the port is an input port or an output port. When a transmitter or receiver is connected to the unit, it will automatically acquire the transmitter or receiver ID, save the configuration information and automatically allocate the required ports. You can mix and match transmitter or receiver connections to the Orion XC using CATx cable.

Installation is as simple as connecting a transmitter and receiver to the Orion XC using CATx cables and configuring the Orion XC from the OSD. Once this is done, connect the desired peripherals to the transmitter or receiver unit, and configure it from the receiver unit's OSD.

Options   DVI-Input

VGA Input

PS/2 Support

USB HID

Transparent USB 2.0

Serial

Analog Audio

Digital Audio

Specifications

Size	*8-port, 16-port, 32-port and 48-port:*
	1U Housing
	64-port and 80-port:
	2U Housing
Resolution	DVI-D Single Link (1920 x 1200 @ 60 Hz or 2K)
Interface	CATx
Distance	Upto 460 ft (140 m) on either side of the switch
Connectors	RJ45
Control	On-screen display (at each KVM station)
Voltage	90-240 VAC internal (optional redundant PSU)
Frequency	50- 60 Hz
Environmental	*Operating Temperature* 41°F - 114°F / 5°C - 45°C, *Storage Temperature* -13°F - 140°F / -25°C - 60°C *Relative Humidity* Max 80% non-condensing
Approvals	FCC Class A, CE
Included Extras	JAVA-Tool, Extended Switching and Presets and API SNMP and Syslog Cascading/Stacking

Models

OXS-XC-008-TP   8-port switch

OXS-XC-016-TP   16-port switch
Image shown on front

OXS-XC-032-TP   32-port switch
Image shown on front

OXS-XC-048-TP   48-port switch
Image shown on front

OXS-XC-064-TP   64-port switch

OXS-XC-080-TP   80-port switch

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