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# rose electronics switches. forward thinking.

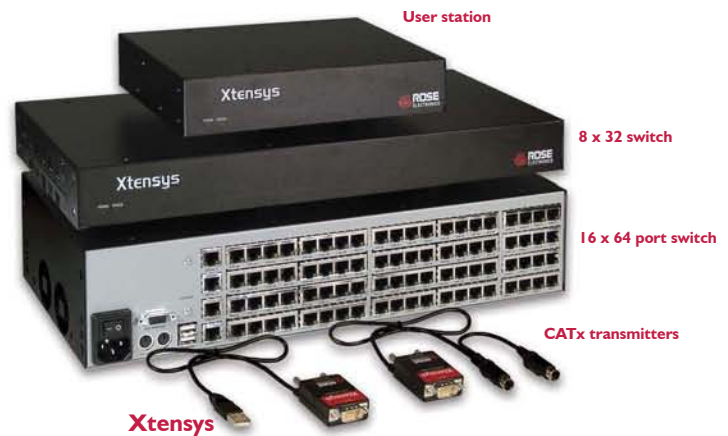
Whether you require KVM matrix switches, audio/video switches, multi-head video switches, KVM-IP, or other products, Rose has a solution for your application.



**Orion X-series**

### KVM matrix switch either CATx or fiber – 48-288 ports

Available in four sizes: 48, 80, 160, and 288 ports  
Modular chassis accepts 8-port I/O cards  
Extend computers and KVM stations to 450' (140m) on CATx cable, 33,000' (10km) on fiber  
Each switch port can be an input or output  
DVI video resolution up to 1920x1200  
Options: VGA input, USB 2.0, analog or digital audio, serial, and redundant power



**Xtensys**

### CATx KVM Matrix Switch family

Connect multiple users to multiple computers using CATx cable  
Auto equalization and skew compensation for a perfect VGA display  
Each computer port can connect to a computer or serial device  
Advanced security features  
Configuration and access through OSD  
Models for 1-16 users and 1-64 CPUs



**Orion XC-series**

### Compact CATx DVI and KVM matrix switch – 8-80 ports

Compact version of Orion-X switch available as CATx only  
Available in six sizes: 8, 16, 32, 48, 64, and 80 ports  
Extend computers and KVM stations up to 450' (140m) over CATx cable  
Each switch port can be an input or output  
DVI video resolution up to 1920x1200  
Options: VGA input, USB 2.0, analog or digital audio, serial, and redundant power



**UltraMatrix E-series**

### 2 - 4 user KVM matrix switch

VGA up to 1920x1200 and PS/2 or USB keyboard and mouse  
Up to 4 users can access and control up to 1,000 computers and network devices  
Fixed port configurations and plug-in expansion ensures low system cost  
Plug-in expansion cards make the system versatile and easy to expand and maintain  
Switching can be done from hot-key, OSD, or serial port  
Flash memory, advanced OSD, security, and many other features





Vista DVI 8-port model

Vista DVI Plus 4-port model

Vista DVI Plus 8-port model

### Single user KVM Switch for DVI/VGA and USB

Both single-link DVI and dual-link DVI models are available  
 Single-link DVI resolution up to 1920x1200, dual-link DVI resolution up to 2560x1600  
 Analog VGA resolution up to 2048x1536  
 USB 2.0 high speed device support and USB keyboard and mouse emulation  
 Stereo audio speakers, microphone support on single-link unit only  
 Switch from front panel, serial port, hot-key, or OSD on dual-link unit only



MultiVideo

MultiVideo DVI

### Single user multi-head KVM Switch for DVI, VGA, USB, and PS/2

Dual-link DVI resolution up to 2560x1600, analog resolution up to 1920x1200  
 Available in dual-head and quad-head (tri-head available in DVI model)  
 VGA model supports PS/2 or USB, DVI model supports USB only  
 USB 2.0 high speed device support on DVI version  
 Can be switched from front panel, hot-key, serial port, or OSD on VGA unit only  
 Support stereo audio speakers



UltraMatrix AV DVI 16 x 16 model

UltraMatrix AV DVI 8 x 8 model

### DVI Matrix Switch 4x4, 8x8, and 16x16

Switch single-link DVI video from any input to any output  
 Available as 4x4, 8x8, or 16x16 models  
 Video resolution up to 1920x1200  
 Select and view connection source and destination from front panel  
 Switch from front panel or RS232 port using control software provided with unit  
 Optional Ethernet interface for control over network



MultiStation CATx

MultiStation

### Dual KVM to one computer over CATx or dual/quad standalone model

Multiple users share one computer with VGA video and PS/2 or USB keyboard and mouse  
 CATx model has transmitter at computer and a receiver at each of two KVM stations connected with up to 1000' (300m) of CATx cable  
 Automatic video compensation/equalization with optional skew adjustments  
 Standard model has KVM stations and computer all connected to unit with KVM cables and supports either two or four KVM stations, USB keyboard and mouse with adapter only



UltraConsole

UltraView Pro

### Single user KVM Switch for VGA and PS/2 or USB

Analog video resolution up to 1920x1200  
 User can connect up to 256 computers  
 Optional audio and touch screen support on UltraView Pro  
 UltraConsole model supports VT220 emulation for connecting to serial device  
 Units can be linked together to form multi-head video and for expansion  
 Switching can be done from front panel, serial port, hot-key, or OSD



Vista AV 16 port model

Vista AV 8 port model

### Multiple DVI inputs to one DVI output

Video resolution up to 1920x1200  
 2, 4, 8, or 16 in to 1 output  
 Switch from front panel push buttons, serial commands, or optional infrared  
 DVI output is capable of driving cable lengths up to 25' (7m)  
 Front panel display indicates the active selection  
 Built-in DDC learning mode simplifies operation



UltraMatrix AV VGA 16 x 16 model

UltraMatrix AV VGA 8 x 8 model

### Audio/VGA Matrix Switch – 8x8 and 16x16

Switch video and stereo audio from any input to any output  
 Audio and video can be switched in tandem or separately  
 Video resolution up to 1600x1200  
 Supports separate sync, composite sync, or sync-on-green  
 Built-in macro player/recorder for controlling video and audio switching  
 Optional Ethernet interface for control over network



UltraConsole Remote 2

UltraLink 2

### Multiple computer or single computer KVM-IP access

UltraConsole Remote 2 connects to 1000 computers with local port for dual access  
 UltraLink 2 connects to a single computer with optional local port for dual access  
 Browser-based or VNC program to remotely access computers over IP  
 Responsive, real-time mouse control, secure encrypted operation  
 VGA Video resolution up to 1600x1200, UltraLink 2 is also available in DVI version with resolution up to 1920x1200

# rose electronics extenders. timeless.

Rose has one of the largest line of extenders in the industry. If you don't see what you need, please call our knowledgeable sales staff - 800-333-9343.

**CrystalView USB2**  
Multi-head VGA with USB 2.0



**ViewLink CATx USB**

**ViewLink CATx PS/2**



**CrystalView Mini**



**CrystalView Mini USB**

**VGA, PS/2, USB extender with auto adjustments to 1,000' (300m)**

ViewLink video resolution up to 1920x1200 at 300' (90m), 1024x768 at 1,000' (300m)

Either USB or PS/2 with optional touch screen feature, also available as video only  
CrystalView model is multi-head with USB 2.0, resolution up to 1920x1200 at 150' (45m)  
Automatic equalization provides clear video over any type of CATx cable  
Optional automated video skew adjustments adjusts for cable skew properties  
Keyboard and mouse emulation assures smooth operation

**VGA, PS/2, USB, audio, serial extender to 150' (45m)**

Video resolution up to 1600x1200 at 100' (30m), 1024x768 at 150' (45m)

Separate models support PS/2 or USB keyboard and mouse  
Two video settings for configuration based on cable length  
USB model supports USB 1.1 peripherals and has integrated 4-port USB hub  
Optional stereo speakers, microphone, and serial extension  
Optional dual-head video feature



**CrystalView CATx Rack**

**CrystalView CATx**



**CrystalView Plus**



**CrystalView Plus USB**

**VGA, PS/2, USB, audio, serial extender to 1000' (300m)**

Video resolution up to 1600x1200 at 200' (60m), 1024x768 at 1,000' (300m)

Separate models support PS/2 or USB keyboard/mouse  
Video equalization and gain controls are done via front panel knobs  
Keyboard and mouse emulation assures smooth operation  
Optional local port for dual access to computer at either side of extension  
Optional stereo speakers, microphone, and serial extension

**VGA, PS/2, USB, audio, serial extender to 1000' (300m) - improved video**

Video resolution up to 1600x1200 at 650' (200m), 1280x1024 at 1,000' (300m)

Separate models support PS/2 or USB keyboard and mouse  
Video adjustments of equalization and skew are done via keyboard commands  
USB model supports USB 1.1 peripherals and has integrated 4-port USB hub  
Optional stereo speakers, microphone, and serial extension  
Optional dual-head video feature

VGA CATx Extenders





CrystalView EX5 DVI



CrystalView EX5 HDMI

**Uncompressed 1920 x 1200 video + USB 2.0 to 330' (100m)**

Uncompressed video resolution up to 1920x1200  
Extends video and USB 2.0 up to 330' (100m)  
HDMI model supports 36-bit color and CEC/HDCP pass-through  
Both models have 3 high speed USB 2.0 device ports supplying 500ma power  
USB 2.0 throughput of up to 30 MB/sec  
Audio support via USB or HDMI



CrystalView EX Up to 1640'

CrystalView Extreme Connects to LAN

CrystalLink USB2 CATx USB 2.0 over CATx

**Compressed 1680 x 1050 video + USB 2.0 to 1640' (500m) or by LAN**

CrystalView EX is point to point and extends up to 1,640' (500m) over CATx  
CrystalView Extreme is multi-point by using a 1GB Ethernet network for transport  
CrystalLink USB 2.0 has no video and extends USB 2.0 to 330' (100m)  
All models have 3-4 high speed USB 2.0 device ports supplying 500ma power  
USB 2.0 throughput: EX=80 MB/sec; Extreme/CrystalLink=480 MB/sec  
CrystalView audio at host via USB and at remote via 3.5mm headphone/mic jacks



CrystalView DVI Mini



CrystalView DVI CATx

**DVI, keyboard/mouse, USB HID, USB 2.0, audio, and serial**

DVI Mini model extends uncompressed video at 1920x1200 up to 130' (40m) and can be ordered with a USB 2.0 option, keyboard and mouse is USB only  
DVI CATx model extends compressed video at 1920x1200 up to 400' (120m)  
Either USB or PS/2 keyboard/mouse, local port for remote or local access  
Optional serial and stereo speakers/microphone  
Both models offer optional dual-head video



CrystalView EX5 Quad

CrystalView DVI Quad CATx or fiber

**Multi-head DVI, keyboard/mouse, USB 2.0, audio, and serial**

EX5 Quad model extends uncompressed video of up to 1920x1200 to 330' (100m)  
USB keyboard/mouse + 3 ports of high-speed USB 2.0 supplying 500ma power  
Optional dedicated audio serial channel or Windows USB Media  
DVI Quad model extends compressed video of up to 1920x1200 to 400' (120m)  
Both USB and PS/2 keyboard/mouse, local ports for remote or local access  
Optional serial and stereo speakers/microphone and fiber optic link interface



CrystalView DVI Fiber



CrystalView DVI Plus

**Compressed or uncompressed DVI KVM fiber extender**

CrystalView DVI Fiber model extends compressed video at 1920x1200 to 1,300' (400m) over multi-mode and 33,000' (10km) over single-mode cable  
PS/2 or USB keyboard/mouse, local port, optional serial, stereo speakers, and microphone  
CrystalView DVI Plus extends uncompressed video either single-link DVI at 1920x1200 or dual-link DVI at 2560 x 2048 to 1300' (400m) over multi-mode cable  
USB keyboard/mouse, optional USB 2.0, serial, stereo speakers, and microphone



CrystalView Pro Fiber Rack

CrystalView Pro Fiber

**VGA/DVI KVM fiber extender standalone units or rack mount chassis**

Separate models for PS/2 or USB keyboard/mouse  
Supports DVI and VGA video at resolutions up to 1600x1200 (1920x1200 option)  
Multi-mode models extend up to 1,640' (500m) over OM3 cable  
Single-mode models extend distance up to 33,000' (10km)  
Optional audio and serial extension  
Rack can hold up to 10 CrystalView Pro fiber transmitters or receivers



CrystalView DVI Micro Single-link DVI over single fiber

CrystalView DVI Micro DL Dual-link DVI over duplex fiber

**DVI single-link or dual-link only or USB 2.0 over fiber**

Single-link DVI model: one multi-mode fiber, resolution up to 1920x1200 at 1,000' (300m)  
Dual-link DVI model: two multi-mode fibers, resolution up to 2560x2048 at 1,000' (300m)  
CrystalLink extends USB 2.0 only, multi-mode to 1,640' (500m), single-mode to 33,000' (10km)  
Four high speed device ports supply 500ma power and throughput of 480 MB/sec  
DVI Micro models are multi-mode with SC connectors, CrystalLink model uses LC connectors  
DVI EDID information can be learned and saved from any monitor

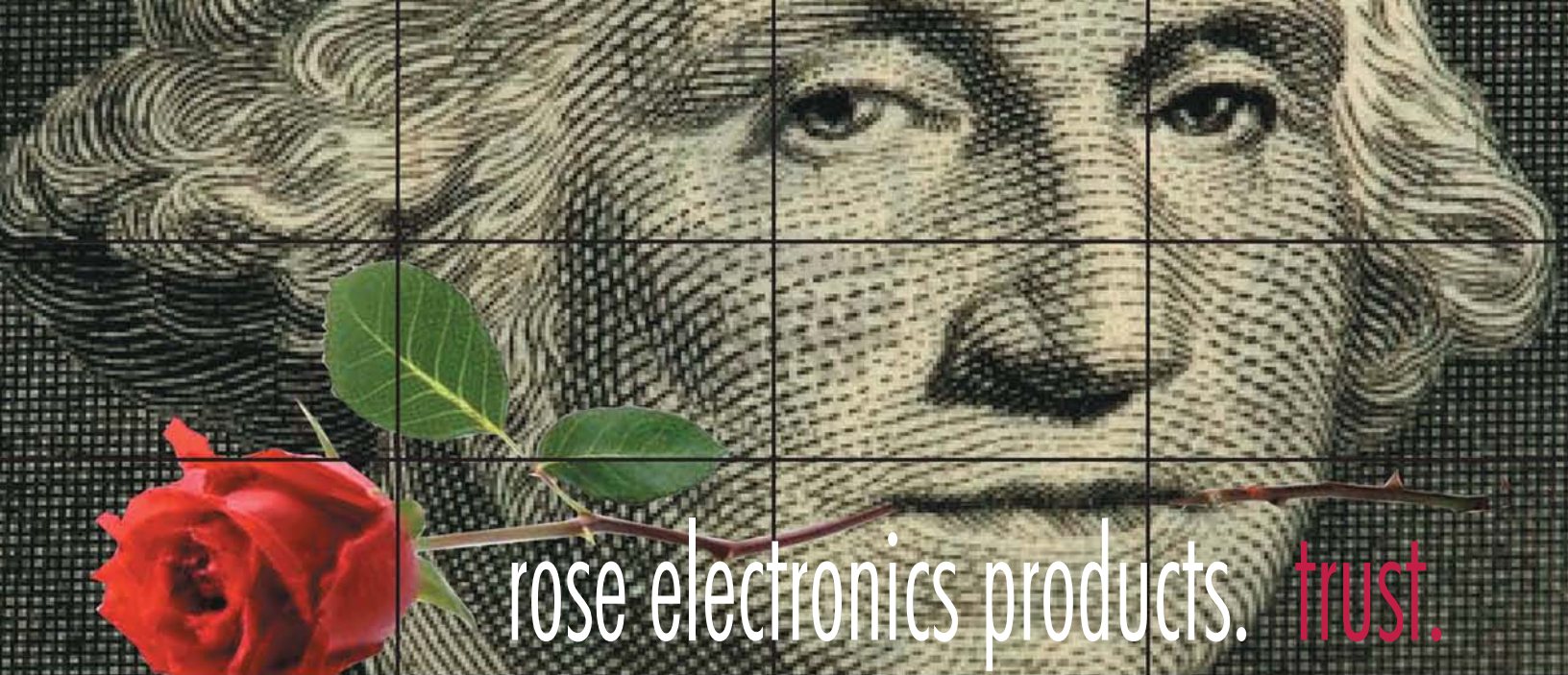


Orion XTender 21 card chassis

Orion XTender 2, 4, and 6 card chassis

**Versatile KVM fiber/CATx extender system**

Available as 2 card, 4 card, 6 card, or 21 card chassis  
Extends signals up to 460' (140m) over CATx, 3,300' (1km) over OM3 multi-mode, and 33,000' (10km) over single-mode  
Supports DVI-D video resolution up to 2048x1152  
Base models use DVI video and USB keyboard and mouse  
Options: VGA input, USB 2.0, analog or digital audio, serial



Rose has a wide range of flexible products and custom services to meet your needs from the simplest to the most complex.

Multiviewers



QuadraVista HDMI

**Multiviewer - Scale four HDMI sources to a single monitor**

Connect four DVI or HDMI sources with PS/2 or USB keyboard/mouse  
 Display video sources in quad, PiP, full, or windowed mode with name of source  
 Switch a USB 2.0 device, speaker, and microphone from any computer  
 Can be controlled from keyboard, mouse, USB, serial port, touchscreen, or network  
 Built-in stereo speakers, separate audio and microphone inputs  
 Four USB 2.0 ports for printers, memory sticks, and other high speed devices



QuadraVista QF

**Multiviewer - Scale four DVI/VGA sources to a single monitor**

Connect four VGA, DVI, or HDMI sources with PS/2 or USB keyboard/mouse  
 Display video sources in quad, PiP, full, or windowed mode with name of source  
 Switch a USB 2.0 device or Dolby 7.1 output from any computer  
 Can be controlled from keyboard, mouse, front panel, USB, serial port, or touchscreen  
 Audio input from HDMI sources, digital and analog audio output  
 Four USB 2.0 ports for printers, memory sticks, and other high speed devices

Video Wall Controllers



UltraVista Plus

**Video wall controller - 4 outputs in any format**

DVI input can be single-link up to 1920x1200  
 or dual-link up to 2560x2048 60 Hz or higher at reduced frame rates  
 Output monitors can be DVI or VGA  
 EDID learning mode simplifies installation  
 Configuration utility via USB allows for easy control of cropping, scaling, rotation, and gap compensation  
 Gen-locked output ensures smooth display output



UltraVista SX

**Video wall controller - Fixed 2 x 2 output format**

Single-link DVI input video resolution up to 1920x1200  
 Output monitors can be DVI or VGA  
 EDID learning mode simplifies installation  
 Front panel LCD simplifies setup and operation  
 Compatible with all DVI video sources  
 Plug and play features ensure smooth installation and operation





VideoSplitter VGA

VideoSplitter DVI



CrystalView DVI Multi

**One video source to multiple monitors**

Resolution up to 1920 x 1200  
 Models available with 2, 4, or 8, or outputs, VGA model can be ordered with 16 outputs  
 VGA unit has HD15 connectors, DVI model has DVI connectors  
 VGA unit has blanking control and optional 2nd input switchable from front panel  
 DVI model will switch both analog VGA and digital DVI  
 Units can be cascaded to gain more outputs

**Connects one DVI source to 2-4 monitors over CATx cable**

Resolution up to 1920x1200  
 Monitor can be up to 220" (65m) away  
 Local port on transmitter unit allows viewing video at source  
 Small receiver unit is installed for each monitor  
 EDID read from local monitor is stored in flash memory  
 Compatible with all DVI sources



Remote Control Keypad and Stick



Remote Control Panel



Remote Control Switch

**Control your KVM switches with the ease of a pushbutton**

Simplifies operation of your KVM switches or other equipment  
 Two styles - 1: Pushbuttons for either a 1U rack or external mounting and 2: Keypad/Stick  
 Pushbuttons have a serial port which connects to a compatible KVM switch  
 and are used exclusively to switch a port on a KVM switch  
 Keypads/sticks have PS/2 or USB ports which are connected in-line with the keyboard  
 and are programmable to send any sequence of keys from a single press



VGA to DVI Converter

**Converts video from VGA TO DVI**

Resolution up to 1920x1200  
 HD15 male in, DVI female out  
 HDCP compliant  
 Built-in OSD function simplifies setup



DVI to VGA Converter

**Converts video from DVI to VGA**

Resolution up to 1920x1080  
 DVI female in, HD15 male out  
 HDCP compliant  
 Optional external power



Composite or S-video to VGA Converter

**Converts composite video/S-video to VGA**

Switches 3 inputs: VGA, composite, and S-video  
 Output resolution up to 1280 x 1024  
 BNC input for composite, mini-din4 for S-video  
 Built-in OSD function simplifies setup



RackView



RackView 20"



RackView Widescreen



RackView High Resolution

**1U KVM Drawer 15", 17", 19"**

Resolution up to 1280x1024 - VGA or DVI  
 USB or PS/2 keyboard/mouse interface  
 On-screen menu for easy adjustments  
 Drawer can be locked to prevent access  
 Optional KVM switch, audio, trackball,  
 international keyboard layout, DC power

**1U KVM Drawer 20"**

Resolution up to 1600x1200 - VGA or DVI  
 Front mount USB port, audio speakers  
 USB or PS/2 keyboard/mouse interface  
 On-screen menu for easy adjustments  
 Drawer can be locked to prevent access  
 Optional international KB layout, DC power

**1U KVM Drawer 17", 19" Widescreen**

Resolution up to 1920x1080 - VGA or DVI  
 USB keyboard/mouse interface  
 On-screen menu and PiP  
 Optional KVM switch, audio, trackball,  
 Apple/Sun/international keyboard layout,  
 SDI, HDMI, composite, S-video, DC power

**1U KVM Drawer 17" High Resolution**

Resolution up to 1920x1200 - VGA or DVI  
 USB keyboard/mouse interface  
 On-screen menu for easy adjustments  
 Optional KVM switch, audio, trackball,  
 Apple/Sun/international keyboard layout,  
 SDI, HDMI, composite, S-video, DC power



RackView Dual Rail



RackView LCD Monitor



RackView LCD Panel Mount



RackView Keyboard

**1U KVM Dual Rail Drawer 15", 17", 19"**

Independent slide of keyboard and LCD  
 Resolution up to 1280x1024 - VGA or DVI  
 USB or PS/2 keyboard/mouse interface  
 Can be locked, on-screen menu  
 Optional KVM switch, audio, trackball,  
 international keyboard layout, DC power

**1U LCD Drawer 15", 17", 19", 20"**

VGA or DVI video input resolutions up to:  
 15" 1024x768 17/19" 1280x1024  
 19" wide 1440x900 20" 1600x1200  
 On-screen menu for easy adjustments  
 Optional touchscreen, composite video in,  
 S-video in, audio, NEMA 4/IP65

**Panel mount 15", 17", 19", 20", 22"**

VGA or DVI video input resolutions up to:  
 15" 1024x768 17/19" 1280x1024  
 19" wide 1440x900 20" 1600x1200  
 22" wide 1680x1050  
 Optional touchscreen, composite video in,  
 S-video in, audio, NEMA 4/IP65

**1U Keyboard Drawer**

Full size 106 key keyboard  
 Separate numeric keypad  
 Touchpad style mouse  
 PS/2 or USB keyboard/mouse interfaces  
 Optional international keyboard layout  
 Optional KVM switch

# New Products.



CrystalLink USB3

## USB 3.0 Fiber Extender

Supports USB3.0 throughput up to 5Gbps  
Industrial locking connectors for USB and power  
Uses one duplex LC multi-mode fiber  
Integrated 2-port USB hub  
Plug-and-play product, no drivers or jumpers



UltraMatrix AV HDMI 16 x 16

## HDMI 16 x 16 Matrix Switch

Switch HDMI from any input to any output  
Video resolution up to 1920 x 1200  
Select and view connection source and destination from front panel  
Switch from front panel, RS232 port, or network using control software provided with unit



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