Vertiv™ Cybex™ MultiViewer

Simultaneously view up to 16 separate computers on a single display

VERTIV

Overview

The Cybex MultiViewer allows users to interact with up to 16 active computers on a single monitor.

Features

- Designed for NIAP Protection Profile for Peripheral Sharing Device (PSD) v.4.0

- Universal video connectors - Supports either HDMI or DP on the same physical video input port (DVI-D supported with HDMI-to-DVI-D cable)

- Unidirectional data flow of keyboard, mouse, video, and audio

- Isolated switch ports provide discrete processing paths to each computer

- Native video support up to UHD 4K at 30 Hz

- Flexible screen/window layout options with zero lag

- Secure KVM switching allows for simultaneous interaction with multiple computers from different security classifications on a single or dual display

- Cursor Navigation Switching (CNS) seamlessly transitions keyboard and mouse control between computers when moving the cursor across window borders

- Touch screen support

- Smart-card (CAC) or biometric readers for authentication on any attached computer*

- Eliminate the need for multiple hardware resources, such as monitors, keyboards, mice, and cables

- Ease of setup and use

- Multi-colored button LEDs for enhanced channel identification

How It Works

The Vertiv™ Cybex™ Secure MultiViewer KVM is ideal for environments where monitoring and managing of multiple active computers, covering various degrees of secure data is required. The MultiViewer's window management capabilities allow for greater ease of use. Through Cursor Navigation Switching (CNS), users have the flexibility to manage and monitor their data by simply moving their mouse across window borders.

Offering a dual head option, the MultiViewer enables the user to monitor up to 4, 8 or 16 computers on dual displays.

Security

Accredited to the latest Protection Profile for Peripheral Sharing Devices version 4.0, users are receiving the most up to date technology in a secure KVM.

The MultiViewer meets or exceeds these requirements with the following capabilities:

- Unidirectional Optical Data Diodes (UODD)- Data can only flow in one direction

- Protected Video Display Emulators– Eliminates potential data leakage from display to computer

- Dedicated Peripheral Port (DPP)– Secure connection to external USB authentication devices*

- Tamper-Evident Labels- Ensures hardware has not been compromised

Flexibility

The Cybex MultiViewer provides users flexibility when it comes to video connection and screen layout.

- Universal Video Port – Supports DVI-D, DP or HDMI connections

- Freeze DPP Channel – Independently locks DPP channel to a specific computer*

- Freeze Audio Channel – Independently locks the audio channel to a computer

- MultiViewer Cascading – Control and view content from many sources in a cascading mode

*4 and 8 ports only

Benefits

- View information on a single or dual display from multiple, isolated computers

- Dual head display capabilities give the user visibility to data on two monitors in duplicate or extended screen mode

- Provides flexible multiple screen layout options for users; Tile, Scale, PIP or custom

- Block unauthorized USB devices while allowing secure switching of smart card and biometric devices between computers

- Universal video connectors to support DP, HDMI, and DVI-D

- Tamper-evident holographic labels prevents hardware from being compromised

- Enhances ability to multitask by keeping multiple critical systems in the user's field of vision

- Vertiv patented keyboard lock status indication on 4 and 8-port desktop models

Technical Specifications

Switch Models	SCMV245DPH	SCMV285DPH	SCMV2160DPH
Computers			
Ports	4	8	16
Video Type	DP / HDMI universal port (DVI-D with HDMI-to-DVI-D cable)		
Max resolution	UHD 4K (3840x2160) @ 30Hz		
DPP	1 x USB 2.0 Type B	1 x USB 2.0 Type B	NA
Analog Audio	1 x 3.5mm	1 x 3.5mm	NA
Console			
Video Type	2 x DP/HDMI Universal port (DVI-D with HDMI-to-DVI-D cable)		
Keyboard and mouse	2 x USB 2.0 Type A	4 x USB 2.0 Type A	4 x USB 2.0 Type A
DPP	1 x USB 2.0 Type A	1 x USB 2.0 Type A	NA
Analog Audio	1 x 3.5mm	1 x 3.5mm	NA
Physical			
Dimensions (WxDxH)	13.7 x 5.0 x 1.7 in 348 x 127 x 43 mm	17.4 x 7.2 x 2.6 in 442 x 183 x 66 mm	17.4 x 11.8 x 3 in 442 x 300 x 76 mm
Weight	3.5 lbs 1.6 kg	8.2 lbs 3.7 kg	15.4 lbs 7.0 kg
Mounting Options	DMK-09	Included	Included
Environmental Conditions			
Operating Temp	0 to 40C / 32 to 104 F		
Storage Temp	-20 to 60C / -4 to 140 F		
Humidity	0 to 80% RH, non-condensing		
Electrical Power			
AC Input Voltage	100 – 240V AC		
Power Supplies	1 x Internal	1 x Internal	2 x Internal (redundant)
Power Cable	IEC320 C14 to IEC320 C13 power cord (6 foot), with user interchangeable C14 to localized socket plugs		
Regulatory			
Security Accreditation	Designed for NIAP Protection Profile for Peripheral Sharing Device (PSD) v.4.0		
Regulatory Certifications	FCC class B, CE, TUV US, TUV Canada, RCM, VCCI		
Standard Product Warranty	3 Years; additional warranty terms available		
Design & Assembly	Huntsville, AL USA		

Computer Video	Cable Type	Length (ft / m)	Single Head		Dual Head	
			Audio/USB	Audio/USB/DPP	Audio/USB	Audio/USB/DPP
DP	DP-to-DP	6 / 1.8	CBL0102	CBL0104	CBL0106	CBL0108
		10 / 3.0	CBL0103	CBL0105	CBL0107	CBL0109
Mini DP	mDP-to-DP (mDP Computer)	10 / 3.0	NA	CBL0194	NA	CBL0195
HDMI	HDMI-to-HDMI	6 / 1.8	CBL0110	CBL0112	CBL0114	CBL0116
		10 / 3.0	CBL0111	CBL0113	CBL0115	CBL0117
DVI-D	HDMI-to-DVI-D (DVI-D Computer)	6 / 1.8	CBL0162	CBL0164	CBL0166	CBL0168
		10 / 3.0	CBL0163	CBL0165	CBL0167	CBL0169

Console Video Only Cables (6ft / 1.8m)

Display Video	Cable Type	Display Video
DP	DP-to-DP	CBL0188
HDMI	HDMI-to-HDMI	CBL0189
DVI-D	HDMI-to-DVI-D (DVI-D display to HDMI KVM)	CBL0191

Accessories

Part Number	Description	Display Video
CBL0185	10ft USB-C (PC) to Single Display DP (KVM) adapter cable +ETH +PWR	Connect USB-C single-head computer to MultiViewer KVM
CBL0186	10ft USB-C (PC) to Dual Display DP (KVM) adapter cable +ETH +PWR	Connect USB-C dual-head computer to MultiViewer KVM

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