

# Vertiv™ Cybex™ Secure DVI-D Switch



Superior Security and Control at the Desktop Designed for Common Criteria PP for Peripheral Sharing Device v.4.0 and EAL4+ Certification

## Overview

Vertiv™ Cybex™ secure switches are field-proven, secure, KVM switching solutions with special support for government agencies and security conscientious organizations.

### Features

- Designed for Common Criteria Protection Profile for Peripheral Sharing Device (PSD) v.4.0
- Unidirectional data flow of keyboard, mouse, video, and audio
- Isolated switch ports provide discrete processing paths to each computer
- Native video supports up to 2560 x 1600 at 60 Hz or 4K UHD 3840 x 2160 at 30 Hz (using HDMI-to-DVI-D cable)
- Cursor Navigation Switching (CNS) seamlessly transitions keyboard and mouse control between computers when pressing the left CTRL key and moving the cursor across screen borders
- Touch screen support
- Eliminate the need for multiple hardware resources, such as monitors, keyboards, mice, and cables
- Ease of setup and use
- Button LEDs can be customized for enhanced channel identification
- Always-on active anti-tampering system, and heavy-duty tamper-resistant enclosure with holographic tamper evident seals.

## How It Works

The Vertiv™ Cybex™ Secure DVI-D KVM is ideal for environments where monitoring and managing of multiple computers, covering various degrees of secure data is required. Through Cursor Navigation Switching (CNS), users have the flexibility to manage and monitor their data by simply pressing the left CTRL key and moving their mouse across window borders.

### Security

Designed to meet 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 Secure Desktop Matrix switch meets or exceeds these requirements with the following capabilities:

- Unidirectional Optical Data Diodes – Data can only flow in one direction
- Protected Video Display Emulators – Eliminates potential data leakage from display to computer
- Active Intrusion Detection and Tamper-Evident Labels – Ensures hardware has not been compromised

### Flexibility

The Cybex DVI-D Secure switch provides users flexibility when it comes to video connection and switch control.

- Freeze Audio Channel – Independently locks the audio channel to a computer
- Easily switch from one connected computer to another using CNS



## Benefits

- Active intrusion detection and tamper-evident holographic labels prevent hardware from being compromised
- Vertiv patented keyboard lock status indication
- Eliminates the need for multiple peripheral devices
- Alleviate workspace clutter
- Prevents information leaks, transfer or crosstalk between adjacent ports and filters ultrasonic audio frequencies via unidirectional optical data diodes (UODD)

## Technical Specifications

Switch Models	SC840DVI	SC940DVI
<b>Computers</b>		
Ports	4	8
Video Type	1 x Dual-Link DVI-D (HDMI with HDMI-to-DVI-D cable)	2 x Dual-Link DVI-D (HDMI with HDMI-to-DVI-D cable)
Max resolution	2560 x 1600 @ 60 Hz or 4K UHD 3840 x 2160 @ 30 Hz (using HDMI-to-DVI-D cable)	
Keyboard and Mouse	1 x USB 2.0 Type B	
Analog Audio	1 x 3.5mm Speaker	
<b>Console</b>		
Video Type	1 x Dual-Link DVI-D (HDMI with HDMI-to-DVI-D cable)	2 x Dual-Link DVI-D (HDMI with HDMI-to-DVI-D cable)
Keyboard and mouse	2 x USB 2.0 Type A	
Analog Audio	1 x 3.5mm Speaker	
<b>Physical</b>		
Dimensions (WxDxH)	13.7 x 5.0 x 1.7 in 348 x 127 x 43 mm	13.7 x 5.0 x 2.2 in 348 x 127 x 56 mm
Weight	3.0 lbs / 15 kg	3.7 lbs / 1.9 kg
Mounting Options	Desk Mount - DMK-09	
<b>Environmental Conditions</b>		
Operating Temp	0 to 40°C / 32 to 104°F	
Storage Temp	-20 to 60°C / -4 to 140°F	
Humidity	0 to 80% RH, non-condensing	
<b>Electrical Power</b>		
AC Input Voltage	100 – 240V AC	
Power Supplies	1 x external, 2.5A Max	
Power Connector	Wall-mounted power supply with user-interchangeable localized plug blades.	
<b>Regulatory</b>		
Security Certification	Designed for Common Criteria Protection Profile for Peripheral Sharing Device v. 4.0 and Evaluation Assurance Level (EAL) 4+	
Regulatory Certifications	FCC class A, CE, TUV US, TUV Canada, RCM, VCCI	
Standard Product Warranty	3 Years; additional warranty terms available	
Design & Assembly	Huntsville, AL USA	

### Computer Cables

Computer Video	Cable Type	Length (ft / m)	Single Head		Dual Head	
			Audio/USB	Audio/USB/DPP	Audio/USB	Audio/USB/DPP
DVI-D	DVI-D-to-DVI-D	6 / 1.8	CBL0150	CBL0146	CBL0152	CBL0148
		10 / 3.0	CBL0151	CBL0147	CBL0153	CBL0149
HDMI	DVI-D-to-HDMI	10 / 3.0	NA	CBL0192	NA	CBL0192

### Console Video Only Cables (6ft / 1.8m)

Display Video	Cable Type	Display Video
DVI-D	DVI-D-to-DVI-D	CBL0190
HDMI	HDMI-to-DVI-D	CBL0191

### Accessories

Part Number	Description	Usage
AFPO004	4-Port Remote Active Front Panel	Remotely select computer ports on 4-port KVM