

NIAP-certified Secure 2-Port 4K DP-to-Dual-HDMI KVM Switch for High-Security, Multi-Domain Workstations.

Introduction

The KVS4-1002VM is a secure 2-port, single-head DisplayPort® KVM switch with MST that lets a user control two computers while maintaining strict, hardware-enforced data separation between them. Designed for high-security environments and certified to NIAP Protection Profile 4.0, it prevents cross-domain leakage and unauthorized data transfer while still delivering 4K Ultra HD video performance.

Applications

- Government & Defence
- Command & Control
- Secure Meeting Rooms
- Industrial Control Systems (ICS/SCADA)
- Financial Institutions

Product Images

Front

Rear



KVS4-1002VM

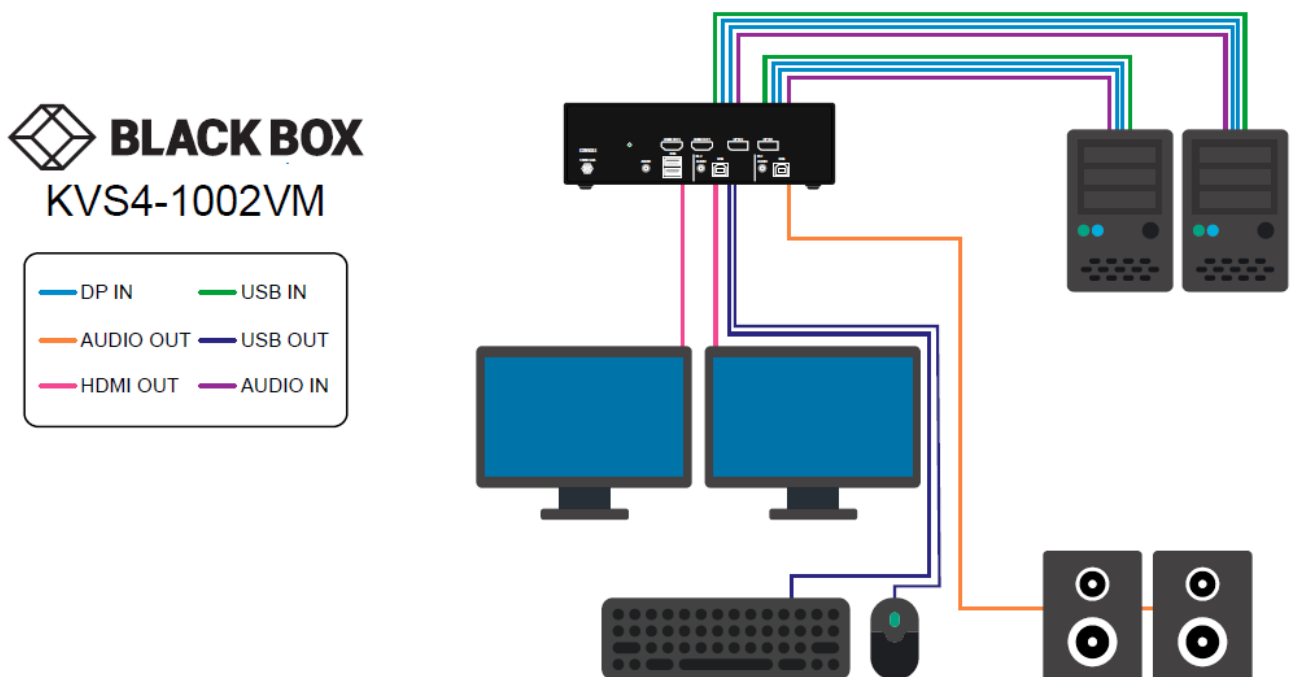


Key Features

- **NIAP 4.0 Certified Security** – Meets the latest niap protection profile V4.0 standards, delivering robust, hardware-enforced isolation between systems. designed to eliminate data leakage and ensure secure operation in high-assurance environments
- **High-Performance Display** – Equipped with Displayport® 1.2a and multi-stream transport (MST), enabling dual HDMI outputs per system. supports up to 4K ultra-HD resolution for crisp, reliable multi-display performance.
- **Secure USB Connectivity** - Dedicated usb interfaces for keyboard and mouse with full emulation ensure seamless operation while preventing unauthorized data transfer between connected systems.
- **Simple LED Indicators & Controls** - User-friendly front panel with tactile buttons and clear LED indicators provides intuitive switching and real-time system status visibility.
- **High-Efficiency Power Design** – Powered by an external Level VI efficiency power supply, ensuring reduced power consumption, lower heat output, and dependable performance.
- **Hardened Security Architecture**– Built with advanced tamper-resistant features including non-reprogrammable ROM, active anti-tamper switches, tamper-evident seals, and an internal anti-tampering battery for maximum physical and data security.

Application Diagram

INSTALLATION DIAGRAM



Specifications

Video		KVS4-1002VM
Input Interface		(2) DisplayPort®
Output Interface		(2) HDMI
Input Resolution		Up to 4K (3840x2160 @30Hz)
Output Resolution		Up to 4K (3840x2160 @30Hz)
Input Cable Length		Up to 20 ft.
Output Cable Length		Up to 20 ft.

USB		
Input Interface		(2) USB Type B
Output Interface		(2) USB 1.1 Type A for KM Devices
Compatibility		USB 1.1 and USB 2.0 Compatible

AUDIO		
Audio Input		(2) 3.5mm stereo audio
Audio Output		(1) 3.5mm stereo audio

External PSU		
Input Voltage/Volts		100-240 VAC
Output Voltage/Volts		12 VDC
Output Current/Amps		2 Amps MAX

Device Power		
Input Voltage/Volts		12V DC
Max Current		1.3 Amps
Max power consumption		36 Watts
BTU (British Thermal Units)		3.41

Mechanical		
Dimensions (HxWxD)		2.63" H x 8.8" W x 6.69" D (66.8 x 223.5 x 169.9 mm)
Weight		3.85 lb. (1.74 kg)

Specifications (continued)

Environmental	
Operating Temperature	32°F to 104°F (0°C to 40°C)
Storage Temperature	-4°F to 140°F (-20°C to 60°C)
Humidity Operating	up to 80% RH, non condensing
Altitude Range	< 6000 feet

Certification	
Regulatory	FCC, CE, RoHS, UL
Security	NIAP Protection Profile Ver. 4.0

Warranty	
Standard Warranty	2 Year standard Warranty
Warranty Options	Extension by 1 or 3 years available
Extended Warranty (Optional)	
Extended Warranty SKU for 1 year	KVS4-1002VM-W1
Extended Warranty SKU for 3 year	KVS4-1002VM-W3

Ordering Information

Product Code	Description
KVS4-1002VM	2-Port SH DP MST to 2 x HDMI Secure KVM w/audio, NO CAC, PP 4.0

Product Includes:

- (1) Secure KVM Switch
- (1) 12 VDC Wallmount Supply (ICP36-120-3000) with US, EU, UK, and AU adapter clips
- (1) Set of 4 rubber feet (already be attached)
- (1) Quick Start Guide

Accessories

Product Code	Description
KVSC-4	Secure KVM Analog Remote Controller
KVSC-16	Secure KVM Touchscreen Remote Controller



Cable Options

Product Code	Description
SKVMCBL-2DP-06TAA	6' KVM USB Dual DP Cable - Audio - TAA
SKVMCBL-2DP-10TAA	10' KVM USB Dual DP Cable - Audio - TAA
SKVMCBL-2DVI-06TAA	6' KVM USB DUALNK Dual DVI Cable – Audio - TAA
SKVMCBL-2HDMI-06TAA	6' KVM USB Dual HDMI Cable - Audio - TAA
SKVMCBL-2HDMI-10TAA	10' KVM USB Dual HDMI Cable – Audio - TAA
SKVMCBL-DP-06TAA	6' KVM USB DP Cable - Audio -TAA
SKVMCBL-DP-10TAA	10' KVM USB DP Cable – Audio -TAA
SKVMCBL-2DP-10	10' KVM USB DUAL DP Cable - Audio
SKVMCBL-2HDMI-06	6' KVM USB Dual HDMI Cable - Audio
SKVMCBL-DP-06	6' KVM USB DP Cable – Audio
SKVMCBL-DP-10	10' KVM USB DP Cable – Audio

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