

NIAP4 Certified Keyboard Mouse (KM) control switch – Seamless Multi-System Control for Mission-Critical Environments

Introduction

In high-security operations, moving between secure and non-secure systems must be fast, simple, and risk-free. The Black Box NIAP4 Certified Secure KM Switch delivers exactly that — one keyboard and mouse controlling up to four and eight computers with seamless transitions between screens, while keeping each system fully isolated. The result is faster operator workflows, reduced errors, and protected data across mixed-classification environments.

Applications

- Government Operations
- Defense and Military Environments
- Intelligence and Classified Communications
- Secure Control Rooms
- Corporate and Executive Communications
- Financial and Banking Networks

Product Images

Front



KVS4-1004KX

Rear



KVS4-1008KX

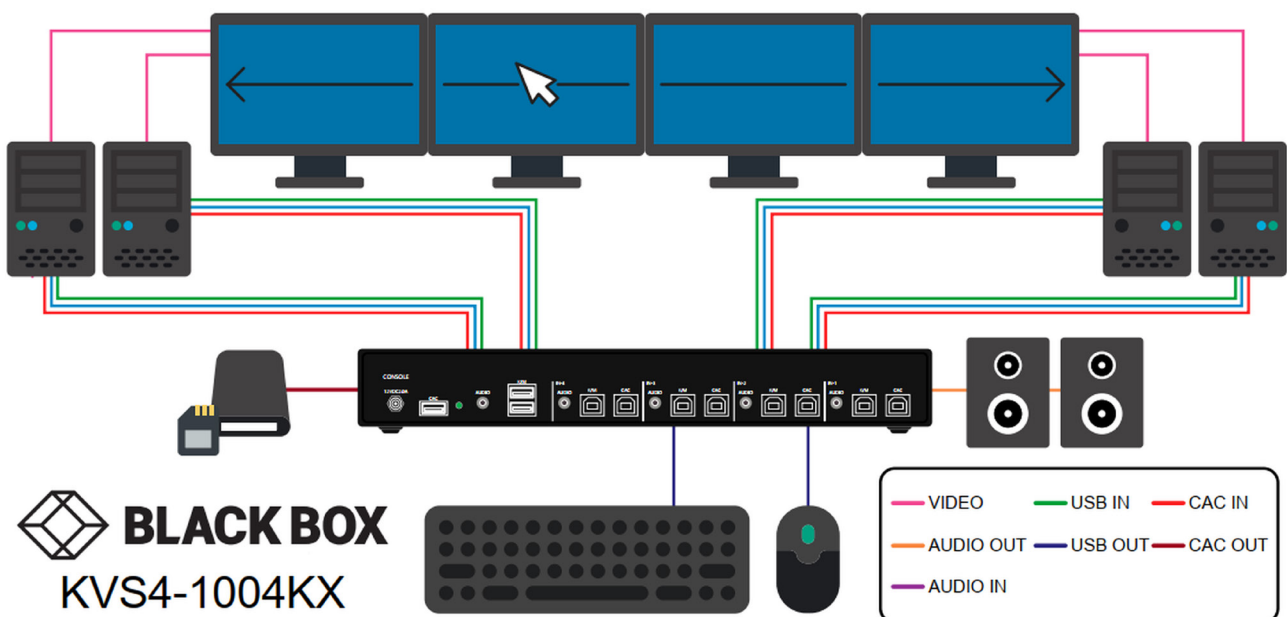


Key Features

- **One keyboard and mouse for up to eight computers**
-Move the mouse cursor naturally from one screen to another to switch control between connected systems without having to manually select computers
- **NIAP PP 4.0 Certified** – meets the highest common criteria protection profile for peripheral sharing switches required by government and defense agencies.
- **Absolute Port Isolation** – Complete mechanical, electrical, and optical separation prevents any data leakage or cross-talk between secure and non-secure systems.
- **Keyboard/Mouse Emulation** – The defender simulates connected peripherals so computers never directly interact with real devices, eliminating potential attack paths.
- **Configurable CAC Port** – Supports smart-card or biometric readers, allowing device assignment to specific secure ports for controlled authentication.
- **Active Anti-Tamper Protection** –Includes tamper-evident seals, switches, and a long-life internal anti-tampering battery to detect or disable compromised units.
- **Front-Panel Controls** – Tactile, LED-indicated buttons for easy, secure operation and status visibility.
- **Cross-Platform Support** – Compatible with Windows, macOS, and Linux.

Application Diagram

INSTALLATION DIAGRAM



Specifications

USB	KVS4-1004KX (4 Port)	KVS4-1008KX (8Port)
Input Interface	(8) USB Type B	(16) USB Type B
Output Interface	(2) USB 1.1 Type A for KM Devices	(2) USB 1.1 Type A for KM Devices
Compatibility	USB 1.1 and USB 2.0 Compatible	USB 1.1 and USB 2.0 Compatible
CAC	Configurable USB 2.0 Port	Configurable USB 2.0 Port
Input Cable Length	Up to 20 ft.	
Output Cable Length	Up to 20 ft.	

AUDIO	KVS4-1004KX (4 Port)	KVS4-1008KX (8 Port)
Audio Input	(4) 3.5mm stereo audio	(8) 3.5mm stereo audio
Audio Output	(1) 3.5mm stereo audio	(1) 3.5mm stereo audio

PSU	
Input Voltage/Volts	12V DC
Max Current	1.3 Amps
Max power consumption	Upto 24 Watts
BTU (British Thermal Units)	53.196
External Power Supply	Input : 110 -220 V AC, 50/60Hz Output : 12VDC , 3 Amps

Mechanical	
Dimensions (HxWxD)	1.76" H x 12.57" W x 6.69" D (44.70 x 319.27 x 169.92 mm)
Weight	4.2 lb. (1.90 kg)

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

Specifications (continued)

Warranty		
Standard Warranty	2 Year standard Warranty	
Warranty Options	Extension by 1 or 3 years available	
Extended Warranty (Optional)	4 Port	8 Port
Extended Warranty SKU for 1 year	KVS4-1004KX-W1	KVS4-1008KX-W1
Extended Warranty SKU for 3 year	KVS4-1004KX-W3	KVS4-1008KX-W3

Ordering Information

Product Code	Description
KVS4-1004KX	4-Port Secure Pro KM w/audio and CAC, PP 4.0
KVS4-1008KX	8-Port Secure Pro KM w/audio and CAC, PP 4.0

Product Includes:

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

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2701 North Dallas Parkway,
Suite #510, Plano TX 75093
Phone: +1 (877) 877-2269
Email: info@blackbox.com
Online: blackbox.com
To contact your local Black Box office,
please visit our [global contact page](#) ►