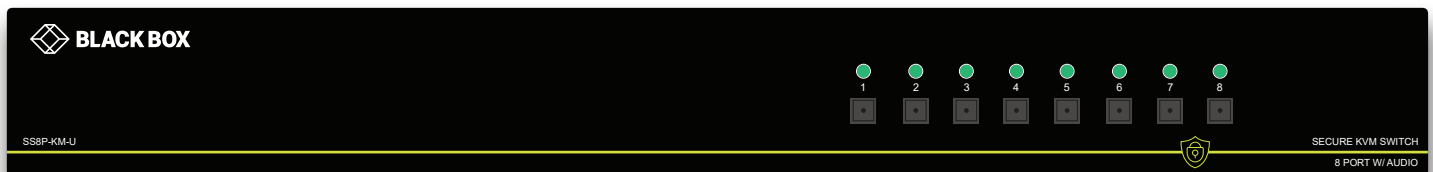


# Secure 8-Port USB KVM Switch with Seamless Mouse Switching and Audio.



## KEY FEATURES

- Seamless mouse switching technology
- Supports Windows, Mac and Linux OS
- Supports balanced speaker output and switching
- Front panel tactile buttons with LED indicator
- External power supply - Level VI efficiency

## SECURITY FEATURES

- Non-reprogrammable ROM
- Active Anti-tamper switches
- Long-life internal Anti-tampering battery
- External tamper-evident seals
- Keyboard, Mouse and Video emulation
- Absolute isolation - No data leakage between ports
- Certified by NIAP, the latest Common Criteria (Protection Profile for Peripheral Sharing Switch Version 3.0)

## APPLICATIONS

- |   |  |
|---|--|
| <ul style="list-style-type: none"> <li>• Government Operations</li> <li>• Defense Applications</li> <li>• Secure Control Rooms</li> <li>• Corporate Communications</li> <li>• Server Operations</li> <li>• Educational Administrations</li> </ul> | <ul style="list-style-type: none"> <li>• Medical Facilities</li> <li>• Banking Network</li> <li>• Insurance Data Centers</li> <li>• Transit Management</li> <li>• Industrial Operation</li> <li>• Intelligence Communications</li> </ul> |
|---|--|



## WHY SECURE KM?

Traditional non-secure KM switches offer centralized control of multiple computers, but offer no absolute isolation between them. This exposes systems to the possibility of malicious damage and disruption, and acquisition of sensitive data from one computer to another.

Black Box's Secure KM Switch is designed for use in secure defense and intelligence applications where sensitive data must be protected. The Switch is NIAP PP 3.0 certified and equipped with the highest security features that meet today's Information Assurance safe control standards. The switch prevents data leakage between computers that can run at different security levels, and eliminate any potential cyber threat.



## KEYBOARD/MOUSE EMULATION

The Secure KM emulates (simulates) the presence of a keyboard and mouse for every attached computer through a USB cable. Both selected and non-selected computers maintain a constant connection with the unit's keyboard-mouse emulation controllers, allowing for ultra-fast switching and restricting discovery of newly connected peripherals during switching operations. Emulation of keyboard and mouse also prevents direct connection between the peripherals and the connected computers, shielding systems from potential vulnerabilities.



## ULTRA-SECURE KM SWITCHING

The SS8P-KM-U allows users to control KM (Keyboard and Mouse) operation on up to eight computers. It features mechanical, electrical and optical signal isolation to prevent hacking and data leakage in environments where security is paramount.

With the SS8P-KM-U, all data relays are controlled by inverted signals, shielding connections from outside intrusion by forcing them each to work one at a time. Each port uses its own isolated data channel and each unit features non-reprogrammable ROM to better protect the switch's functions. Better yet, the SS8P-KM-U offers the highest security when accessing classified and public networks over the internet through these isolated connections. By isolating connections between networks, the SS8P-KM-U ensures no data is leaked between secure ports and the outside world.

The SS8P-KM-U has clearly marked front-panel buttons for controlling the device, so securely switching between sources is always simple. For high-grade secure switching made easy, look no further than the SS8P-KM-U.



## SEAMLESS MOUSE SWITCHING

Black Box Secure KM Switches offer top-grade data protection when accessing keyboard-mouse functions across multiple connected computer systems. Black Box's NIAP Protection Profile Ver. 3.0 (PP3.0) standard compliance ensures all Black Box KM switches utilize the newest, most advanced safeguards in relation to keyboard, mouse, and audio security.

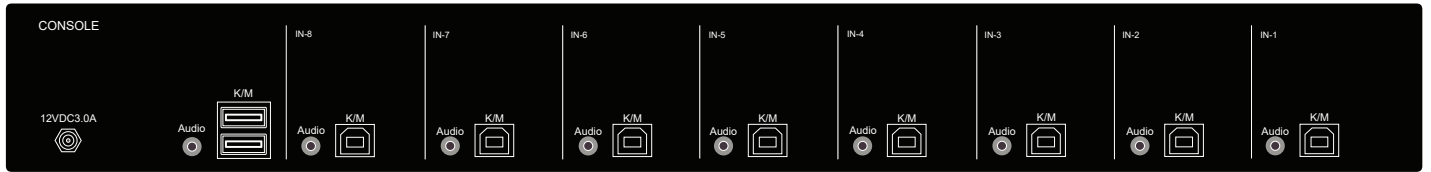
Each Black Box Secure KM Switch uses Seamless Cursor & Keyboard Switching (SCS), which lets users transition between highly isolated computer systems simply by moving a mouse cursor across individual display borders. Each connected system's display remains visible during SCS, but the Secure KM Switch keeps each system isolated and protected.

Defense, intelligence and finance specialists who regularly work with sensitive data will benefit considerably from Black Box's Secure KM Switches' SCS functions, saving them both the time and effort of switching between systems.

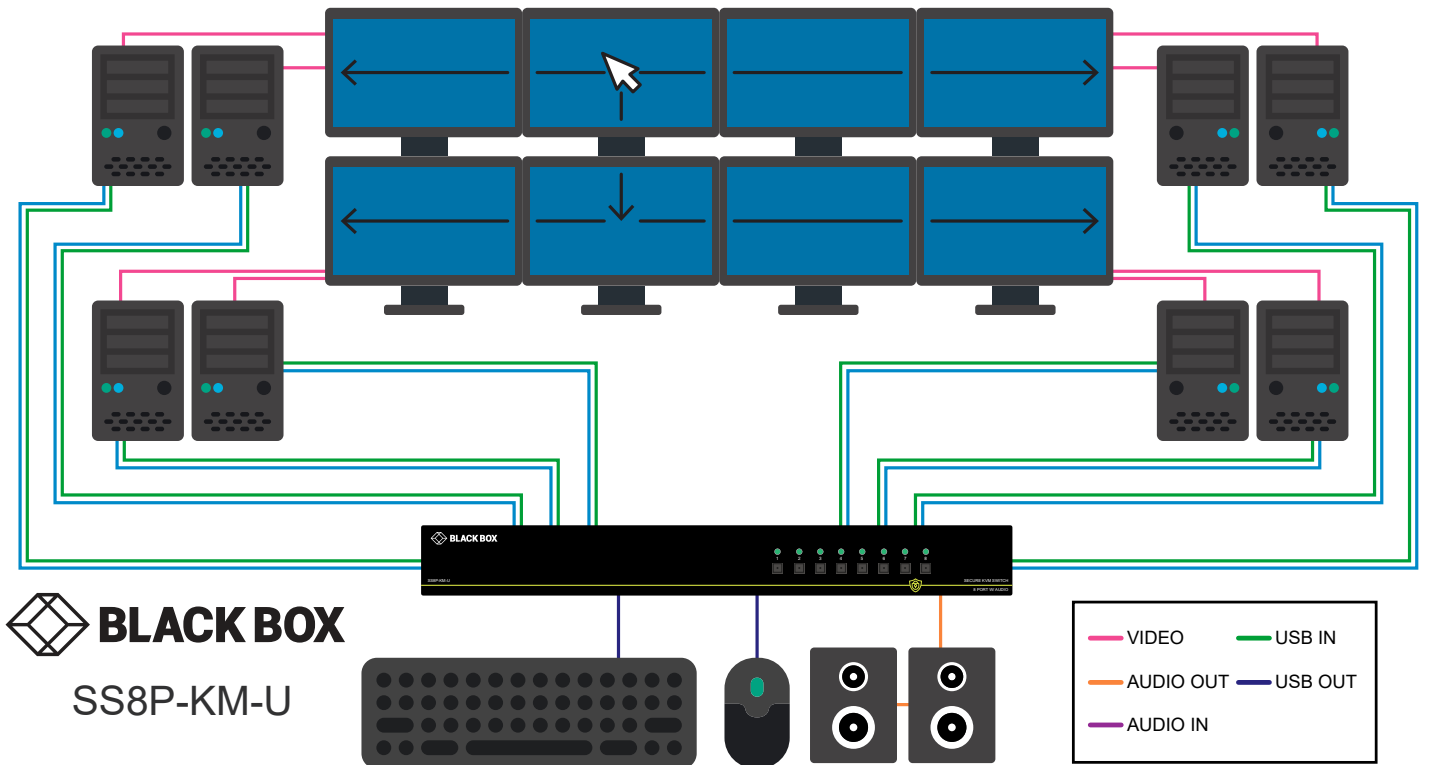
# SS8P-KM-U (Front)



# SS8P-KM-U (Back)



## INSTALLATION DIAGRAM



# SPECIFICATIONS

USB	
Input Interface	(16) USB Type B
Output Interface	(2) USB 1.1 Type A for KM Devices
Emulation	USB 1.1 and USB 2.0 Compatible
AUDIO	
Audio Input	(8) 3.5mm stereo audio
Audio Output	(1) 3.5mm stereo audio

CONTROL	
Front Panel	Front panel SELECT buttons
OTHER	
Power	External 100-240 VAC/ 12VDC2A @ 24W
Dimensions	12.57" W x 1.76" H x 6.69" D
Weight	4.2 lbs
Approvals	NIAP PP 3.0, UL, CE, ROHS Compliant
Operating Temp.	+32 to +104°F (0 to +40°C)
Storage Temp.	-4 to 140°F (-20 to +60°C)
Humidity	Up to 80% (no condensation)

ORDERING INFORMATION	
Part No.	Description
SS8P-KM-U	8-Port Secure Pro USB KM w/ audio, PP 3.0 with power supply 12VDC/3A

## Black Box Corporation

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