iPGARD™

Innovate | Protect | Gard

KEY FEATURES

- Supports Windows, Mac and Linux OS
- Advanced configurable CAC port
- External power supply – Level VI efficiency
- Computer interface isolation while powered or unpowered
- Ensures all user data is completely isolated and no data is ever stored
- No external interfaces can be used, only keyboard, mouse and CAC devices accepted
- Secure channel switching with leak prevention, no hotkeys
- Front panel tactile buttons for secure channel switching and LED channel indicators
- Peripheral and authentication ports isolation for secure usage
- Tamper evident label and anti-tampering technology
- No wireless devices connected
- Ensures only trusted admin gains access

Common Criteria

DESIGNED AND MADE IN THE USA

NIAP®

ISO 9001:2015 CERTIFIED COMPANY

APPLICATIONS

- Government Operations
- Defense Applications
- Secure Control Rooms
- Corporate Communications
- Server Operations
- Educational Administrations
- Medical Facilities
- Banking Network
- Insurance Data Centers
- Transit Management
- Industrial Operation
- Intelligence Communications

SA-KMN-4S-P

iPGARD™
Innovate | Protect | Gard

KEYBOARD AND 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.

CAC SUPPORT

Many secure KM switches support CAC devices, such as smart-card and biometric readers, bolstering security when using the device. However, IPGard takes CAC security even further, allowing users to assign specific peripheral devices to the KM's CAC port. Once a peripheral device has been registered by an authenticated admin, users can then switch the connection between that device and the PC's along with KM switching.
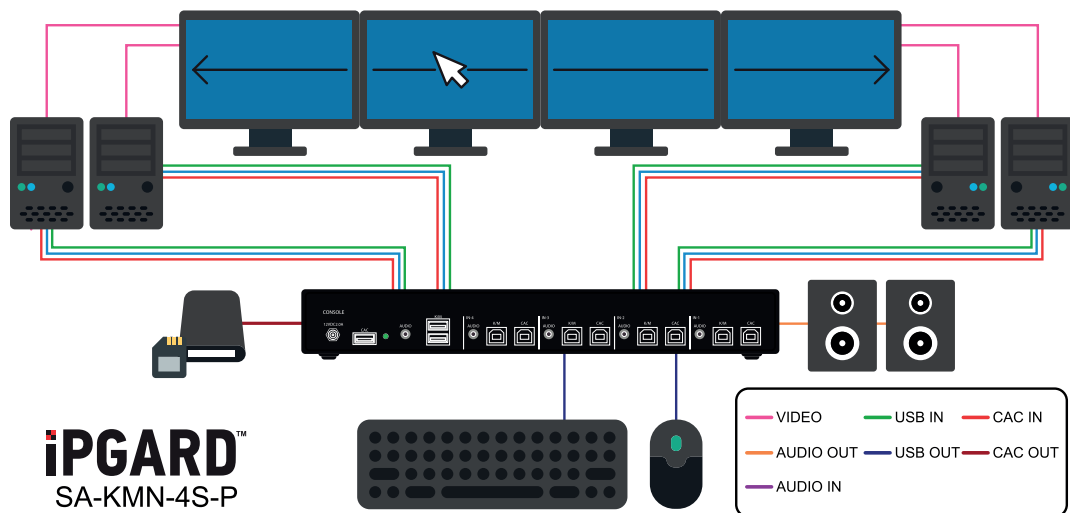
SECURE VIDEO/AUX EMULATION

The KM can simulate a generic EDID, allowing it to operate most of the connected monitors in the market. Both selected and non-selected computers maintain a constant connection with the unit's video and EDID emulation controllers, allowing for ultra-fast switching and restricting discovery of newly connected monitors during switching operations. The unit prevents unwanted and unsecure data from getting transmitted between the computers and the display.

SPECIFICATIONS

USB	
Input Interface	(8) USB Type B
Output Interface	(2) USB 1.1 Type A for KM Devices
Emulation	USB 1.1 and USB 2.0 Compatible
CAC	Configurable USB 2.0 Port
AUDIO	
Audio Input	(4) 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 4.0, 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.	UPC	Description
SA-KMN-4S-P	686911124273	4-Port SH Secure Pro KM w/audio and CAC, PP 4.0. Includes: [SA-KMN-4S-P; PS12V2A]

INSTALLATION DIAGRAM

iPGARD™
SA-KMN-4S-P

VIDEO — USB IN — CAC IN
AUDIO OUT — USB OUT — CAC OUT
AUDIO IN