Raritan® Secure Switches (RSS)

NIAP CERTIFIED PERIPHERAL SHARING SWITCHES

Government, military, and intelligence agencies frequently use computers and networks at different classification levels. Users require productive and secure access to these systems, with total isolation between computers. This access must meet the NIAP Version 4.0 Protection Profile for Peripheral Sharing (KVM) Switches, which defines the latest requirements U.S. and Canadian government agencies must follow to use classified systems securely. Inside and outside North America, other security-conscious customers can also benefit.

The Raritan Secure Switches provide the latest, secure desktop access that government and military agencies require to protect systems from hackers and cyberattacks. It protects against unauthorized data flow between systems, physical and logical tampering, retention of data, and unauthorized intrusion. In addition, Common Access Card (CAC) authentication is supported, and unauthorized USB peripherals (i.e., flash drives) are blocked.

CONFIGURATIONS THAT MEET YOUR DEMANDS

Raritan Secure Switch 4.0 is available with two, four, and eight ports, with the option of CAC authentication. Some new models now include dual monitor support. Raritan has also transitioned to a pure digital switch architecture to support HDMI and DisplayPort-based devices. A wide variety of video resolutions are supported, including high-definition and 4K Ultra HD.

As a trusted supplier of KVM switches for over 30 years, Raritan has continuously developed new KVM innovations for the government and military sectors.

Features and Benefits

- Complies to NIAP Protection Profile Version 4.0
- Isolation between computers at different classification levels
- Digital Video - HDMI & DisplayPort
- High resolution video, including 4K Ultra HD
- Tamper resistant features
- Intrusion detection to disable unauthorized operations
- Keyboard data automatically cleared
- Limited USB connectivity to restrict USB devices
- Support for Common Access Card (CAC) / SmartCard authentication
- Built-in, internal power supply
- Support for Wired Port Selector accessory

Applications

- Government
- Military
- Intelligence
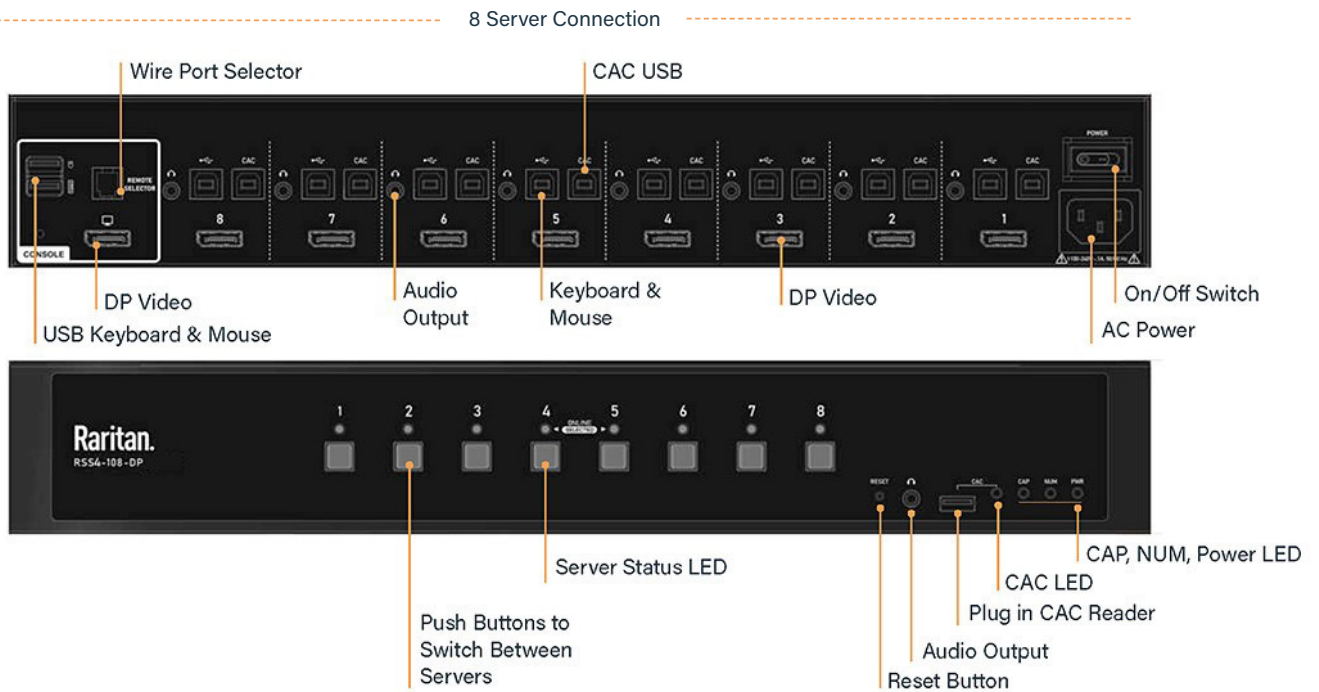- Law Enforcement
- Financial
- Healthcare

SECURE DESKTOP ACCESS TO COMPUTERS AT MULTIPLE CLASSIFICATION LEVELS
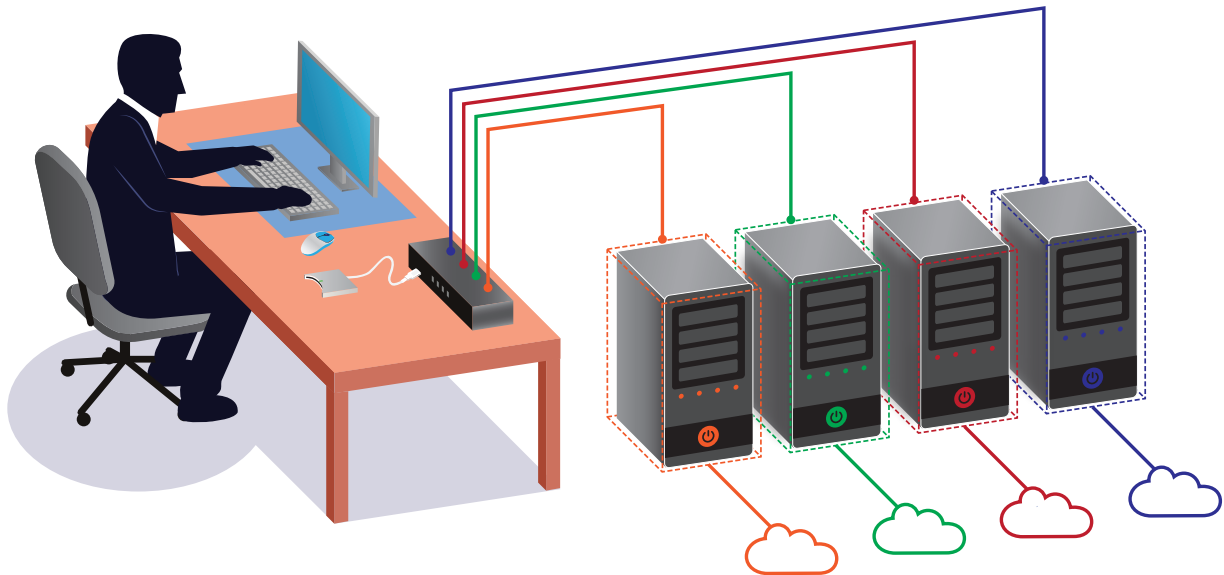
Secure Access to Networks at Multiple Classification Levels

- Top Secret
- Secret
- Confidential
- Unclassified

PORTS AND CONNECTIONS (RSS4-108-DP)

8 Server Connection

Wire Port Selector

CAC USB

DP Video

USB Keyboard & Mouse

Audio Output

Keyboard & Mouse

DP Video

On/Off Switch

AC Power

Push Buttons to Switch Between Servers

Server Status LED

Reset Button

Audio Output

Plug in CAC Reader

CAC LED

CAP, NUM, Power LED

NIAP 4.0 PROTECTION PROFILE CERTIFIED

Lab-tested to the NIAP Version 4.0 Protection Profile

The 4.0 Protection Profile defines strict and comprehensive protections for secure desktop access of systems at multiple classification levels along with safe use of shared peripherals.

- These requirements invalidate the previous Common Criteria and other secure switches support. Customers should upgrade to the 4.0 requirements for the most up-to-date protections.

- The Raritan Secure Switches are certified to meet all the requirements of the new 4.0 Protection Profile, having undergone lengthy and comprehensive testing in an authorized test lab.
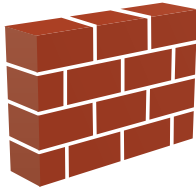
Multi-level Physical and Logical Security Defenses

Raritan Secure Switches are lab-tested and certified to provide multi-level protection according to the 4.0 Protection Profile.

- This includes strict isolation between computers at different classification levels. Secure switching is supported; data is not buffered and cannot leak from one classification level to another.

- Tamper-resistant features show visual evidence of physical tampering. Intrusion detection will disable operations if the case is compromised.

- Firmware is locked down to prevent unauthorized modification.

- Keyboard data is automatically cleared to prevent sharing or retention.
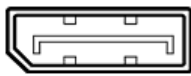
Digital Video with HDMI or Displayport

Government and military customers utilize a wide variety of systems and deploy some of the latest technology. We've focused our products on the most common digital video formats to match these advances.

- Raritan Secure Switches support HDMI and Displayport so they are compatible with the latest display and video technologies.

- 4K Ultra HD is also supported, as well as other high definition video resolutions.

Secure USB Device Control

USB is a very powerful and flexible technology, but it can present serious security risks if not controlled.

- The RSS models securely connect a common set of peripherals without sharing or transferring data.

- Un-authorized USB devices cannot be connected to prevent data theft or leakage.

- Authorized devices include: keyboard, mouse, wired port selector and optional USB CAC readers.

- A wide range of Common Access Card readers is supported.

RARITAN SECURE DESKTOP KVM SWITCH (RSS) SPECIFICATIONS

Models	Description	Dimension (L x W x H)	Weight	Maximum Input Power Rating/Power
RSS4-102	2-port Single Head SecureSwitch, NIAP PP4.0 certified, HDMI, support CAC	13.19 x 6.45 x 2.56in 355 x 164 x 66mm	4.19lbs 1.9kg	100-240V~1A, 50/60Hz
RSS4-102-DP	2-port Single Head SecureSwitch, NIAP PP4.0 certified, DP, support CAC	13.19 x 6.45 x 2.56in 355 x 164 x 66mm	4.19lbs 1.9kg	
RSS4-102-DUAL	2-port Dual Head SecureSwitch, NIAP PP4.0 certified, HDMI, support CAC	13.19 x 6.45 x 2.56 in 355 x 164 x 66 mm	4.19lbs 1.9kg	
RSS4-102-DUAL-DP	2-port Dual Head SecureSwitch, NIAP PP4.0 certified, DP, support CAC	13.19 x 6.45 x 2.56in 355 x 164 x 66mm	4.19lbs 1.9kg	
RSS4-104	4-port Single Head SecureSwitch, NIAP PP4.0 certified, HDMI, support CAC	13.19 x 6.45 x 2.56in 355 x 164 x 66mm	5.95lbs 2.7kg	
RSS4-104-DP	4-port Single Head SecureSwitch, NIAP PP4.0 certified, DP, support CAC	13.19 x 6.45 x 2.56in 355 x 164 x 66mm	4.30lbs 1.95kg	
RSS4-104-DUAL	4-port Dual Head SecureSwitch, NIAP PP4.0 certified, HDM, support CAC	13.19 x 6.45 x 2.56in 355 x 164 x 66mm	4.52lbs 2.05kg	
RSS4-104-DUAL-DP	4-port Dual Head SecureSwitch, NIAP PP4.0 certified, DP, support CAC	13.19 x 6.45 x 2.56in 355 x 164 x 66mm	4.41lbs 2kg	
RSS4-108-DP	8-port Single Head SecureSwitch, NIAP PP4.0 certified, DP, support CAC	17.02 x 8.06 x 2.6in 432 x 164 x 66mm	4.63lbs 2.1kg	
RSS4-108-DUAL-DP	8-port Dual Head SecureSwitch, NIAP PP4.0 certified, DP, support CAC	17.02 x 8.06 x 2.6in 432 x 164 x 66mm	6.61lbs 3kg	
RSS4-WPS	RSS Wired Port Selector	112.18 x 79.55 x 38.55mm 4.42 x 3.13 x 1.52in	0.34lbs 152g	NA

SPECIFICATIONS FOR ALL RARITAN SECURE DESKTOP KVM SWITCHES

Specifications	
Operating Temperature	0–40°C
Storage Temperature	-20–60°C
Humidity	0–80% RH, Non-condensing
Input Power	100–240VAC; 50/60Hz
Video Resolutions	HDMI Max 3840x2160 @ 60Hz (UHD), DP Max 3840x2160 @ 30Hz (UHD)
Certifications	NIAP Protection Profile ver.4.0; Safety: UL,CB ; EMC: FCC/CE/VCCI/UKCA/RCM
Maximum Input Power Rating/Power	100-240V~1A, 50/60Hz
Warranties	2 years standard, an additional 3 years of extended protection is available.

TAA COMPLIANT KVM COMBO CABLES

Part Number	Device Compatibility	Description
RSS4CBL30DL-DP	RSS4-102/104-DUAL-DP	10ft (3m) DisplayPort(ver1.2) M-M x 2, USB(ver.2.0) A-B x 2, 3.5mm stereo audio jack x 1
RSS4CBL30DL	RSS4-102/104-DUAL	10ft (3m) HDMI(ver.1.4) M-M x 2, USB(ver.2.0)A-B x 2, 3.5mm stereo audio jack x 1
RSS4CBL30-DP	RSS4-102/104-DP	10ft (3m) DisplayPort(ver1.2) M-M x 1, USB(ver.2.0) A-B x 2, 3.5mm stereo audio jack x 1
RSS4CBL30	RSS4-102/104	10ft (3m) HDMI(ver.1.4) M-M x 1, USB(ver.2.0)A-B x 2, 3.5mm stereo audio jack x 1
RSS4CBL18DL-DP	RSS4-102/104-DUAL-DP	6ft (1.8m) DisplayPort(ver.1.2) M-M x 2, USB(ver.1.2) M-M x 1, USB(ver.2.0) A-B x 2, 3.5mm stereo audio jack x 1

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