



## SECURE DESKTOP ACCESS TO COMPUTERS AT MULTIPLE CLASSIFICATION LEVELS

### NIAP 3.0 CERTIFIED FOR 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 secure access must meet the NIAP Version 3.0 Protection Profile for Peripheral Sharing (KVM) Switches, which defines the latest requirements U.S. and Canadian government agencies must follow to securely use classified systems. Other security-conscious customers, inside and outside of North America, can also benefit.

The Raritan Secure Switches (RSS) provide the productive, secure desktop access that government and military agencies require to protect systems from hackers and cyberattacks. The Raritan Secure Switches are lab-tested and certified to meet the strict requirements of the 3.0 Peripheral Sharing Protection Profile to protect 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 is available with two and four ports and with the option of CAC authentication. These models support a single DVI-I (analog and digital video) and USB user console with optional audio from the connected computer. Unlike other secure switches, the Raritan Secure Switches can connect to computers in either an analog (VGA) or digital video (DVI, HDMI) mode. A wide variety of video resolutions are supported including standard definition, 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.

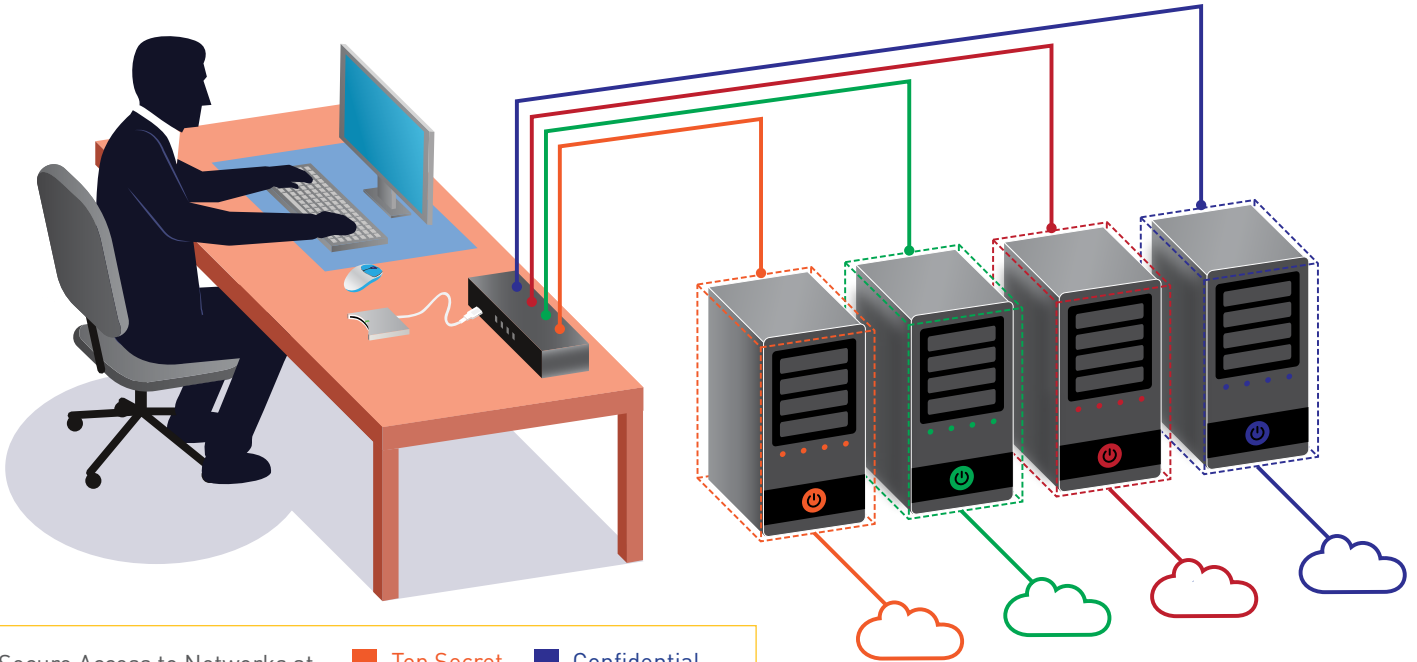
### FEATURES AND BENEFITS

- Complies to NIAP Protection Profile Version 3.0
- Isolation between computers at different classification levels
- Analog (VGA) or digital (DVI/HDMI) video mode
- High resolution video, including 4K Ultra HD
- Tamper resistant features
- Intrusion detection to disable unauthorized operations
- Keyboard data is automatically cleared
- Limited USB connectivity to restrict USB devices
- Support for Common Access Card (CAC) / SmartCard authentication
- Built-in, internal power supply

### APPLICATIONS

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

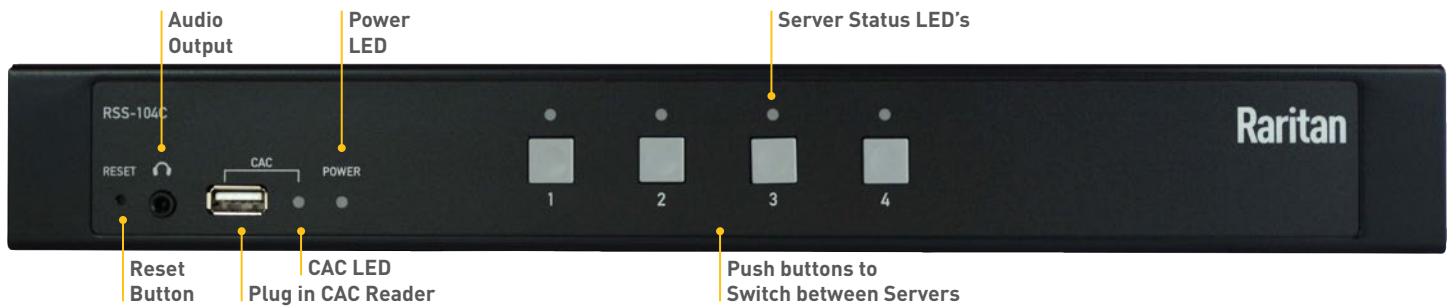
# SECURE DESKTOP ACCESS TO COMPUTERS AT MULTIPLE CLASSIFICATION LEVELS



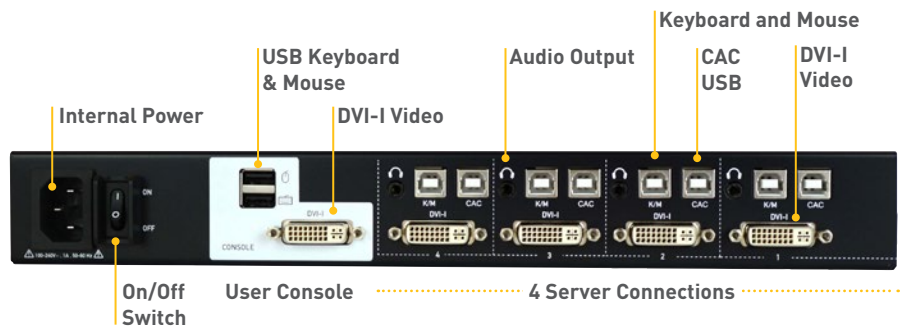
Secure Access to Networks at Multiple Classification Levels

Top Secret	Confidential
Secret	Unclassified

## PORTS AND CONNECTIONS (RSS-104C)



### 4 Port Back Panel (with CAC)



\* DVI-I Video: port supports either analog or digital video

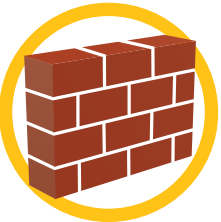
# NIAP 3.0 PROTECTION PROFILE CERTIFIED



## LAB-TESTED FOR THE NIAP VERSION 3.0 PROTECTION PROFILE

The 3.0 Protection Profile defines strict and comprehensive protections for secure desktop access of systems at multiple classification levels along with safe use of shared peripherals.

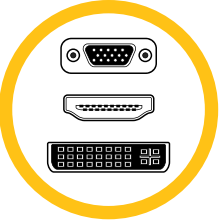
- These requirements invalidate the previous Common Criteria and EAL requirements other secure switches support. Customers should upgrade to the 3.0 requirements for the most up-to-date protections.
- The Raritan Secure Switches are certified to meet all the requirements of the new 3.0 Protection Profile, having undergone lengthy and comprehensive testing in an authorized test lab.



## MULTI-LEVEL PHYSICAL AND LOGICAL SECURITY DEFENSES

The Raritan Secure Switches are lab-tested and certified to provide multi-level protection according to the 3.0 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.



## ANALOG OR DIGITAL VIDEO MODE WITH 4K ULTRA HD

Government and military customers utilize a wide variety of systems. Older legacy systems utilize analog, VGA video, but newer systems use digital video formats.

- The Raritan Secure Switches support VGA, DVI, and HDMI video so you can work with both new and legacy systems.
- Unlike other secure switches, a single RSS can connect to computers in an analog or digital video mode. In analog mode, all servers have VGA video, and the local monitor uses VGA. In digital mode, connected servers and local monitor use digital video.
- 4K Ultra HD is also supported, as well as other standard and 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, and optional USB CAC Readers.
- A wide range of Common Access Card readers are supported.

## RARITAN SECURE DESKTOP KVM SWITCH (RSS) SPECIFICATIONS

Models	Description	Dimension (L x W x H)	Weight	Maximum Input Power Rating/Power
RSS-102	1 User, 2 Ports, NIAP PP3.0 certified, dual link DVI, 3820x2160@30Hz maximum Video Resolution	152.4mm x 333.6mm x 44.5mm	3.53lb; 1660g	AC100-240V,1A; DC12V/0.295A (3.6W)
RSS-104	1 User, 4 Ports, NIAP PP3.0 certified, dual link DVI, 3820x2160@30Hz maximum Video Resolution	152.4mm x 333.6mm x 44.5mm	3.70lb; 1680g	AC100-240V,1A;DC12V/0.346A (4.1W)
RSS-102C	1 User, 2 Ports, NIAP PP3.0 certified, dual link DVI, support USB smart card reader, 3820x2160@30Hz maximum Video Resolution	152.4mm x 333.6mm x 44.5mm	4.43lb; 2009g	AC100-240V,1A;DC12V/0.356A (4.3W)
RSS-104C	1 User, 4 Ports, NIAP PP3.0 certified, dual link DVI, support USB smart card reader, 3820x2160@30Hz maximum Video Resolution	152.4mm x 333.6mm x 44.5mm	5.02lb; 2276g	AC100-240V,1A;DC12V/0.4A (4.8W)

## RARITAN SECURE DESKTOP KVM COMBO CABLE SPECIFICATIONS (AVAILABLE SEPARATELY)

Models	Description
RSS-CBL-VGA	6 feet (1.8m) KVM dual link combo cable, DVI+USB+audio
RSS-CBL-DVI	6 feet (1.8m) KVM dual link combo cable, HDMI+USB+audio
RSS-CBL-HDMI	6 feet (1.8m) KVM dual link combo cable, VGA+USB+audio



RSS-CBL-VGA



RSS-CBL-DVI



RSS-CBL-HDMI

## 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	DVI Dual Link: 2560x1600@60Hz; 3840x2160@30Hz DVI Single Link: 1920x1200@60Hz DVI-A: 2048x1536@60Hz
Certifications	NIAP Protection Profile ver.3.0; Safety: UL,CB ; EMC:FCC/CE/VCCI
MTBF	100,000 hours
Warranties	2 years standard, an additional 3 years of extended protection is available.

Visit [www.raritan.com/rss](http://www.raritan.com/rss)  
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