

Question

Answer

Raritan Secure KVM Switch

What is Raritan's Secure Desktop KVM Switch?

Raritan's Secure Switches (RSS) provide the productive, secure, desktop access that government and military agencies need to protect systems from hackers and cyber attacks. The Raritan Secure Switches have been 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. Common Access Card (CAC) authentication is supported and unauthorized USB peripherals (i.e. flash drives) are blocked.

What is NIAP?

The National Information Assurance Partnership (NIAP) is responsible for U.S. implementation of the [Common Criteria](#), including management of the NIAP Common Criteria Evaluation and Validation Scheme (CCEVS) validation body. NIAP manages a national program for developing Protection Profiles, evaluation methodologies, and policies that will ensure achievable, repeatable, and testable requirements. In partnership with NIST, NIAP also approves [Common Criteria Testing Laboratories](#) to conduct these security evaluations in private sector operations across the U.S.

What is a Protection Profile?

A Protection Profile (PP) is a document used as part of the certification process according to ISO/IEC 15408 and the Common Criteria (CC). As the generic form of a Security Target (ST), it is typically created by a user or user community and provides an implementation independent specification of information assurance security requirements. A PP is a combination of threats, security objectives, assumptions, security functional requirements (SFRs), security assurance requirements (SARs) and rationales.

A PP specifies generic security evaluation criteria to substantiate vendors' claims of a given family of information system products. Among others, it typically specifies the Evaluation Assurance Level (EAL), a number 1 through 7, indicating the depth and rigor of the security evaluation, usually in the form of supporting documentation and testing, that a product meets the security requirements specified in the PP.

The National Institute of Standards and Technology (NIST) and the National Security Agency (NSA) have agreed to cooperate on the development of validated U.S. government PPs.

What is Common Criteria?

Common Criteria is a framework in which computer system users can *specify* their security *functional* and *assurance* requirements (SFRs and SARs respectively) through the use of Protection Profiles (PPs), vendors can then *implement* and/or make claims about the security attributes of their products, and testing laboratories can *evaluate* the products to determine if they actually meet the claims. In other words, Common Criteria provides assurance that the process of specification, implementation and evaluation of a computer security product has been conducted in a rigorous, standard, and repeatable manner at a level that is commensurate with the target environment for use.

What video interfaces do Raritan Secure Switches support?

Raritan Secure Switches can connect to computers with both analog and digital video outputs. This includes analog VGA, used by older legacy systems, as well as new digital video formats including DVI and HDMI. Raritan's secure desktop KVM switch also supports the target servers via three 1.8 meters KVM combo cable options: RSS-CBL-DVI, RSS-CBL-HDMI, and RSS-CBL-DP.

What's the maximum video resolution of the Raritan Secure Switches?

The Raritan Secure Switches support the latest video resolution formats including 1080P, single and dual-link DVI and 4K Ultra HD. The maximum resolution is 3840x2400.

Does Raritan secure desktop KVM support audio input to a connected server?

No, this is not allowed by the 3.0 Protection Profile.