

Ruggedized KVM Switch



Article Overview

Ruggedized KVM switches are specialized hardware that allows secure control of multiple computers from a single console in harsh or mission-critical environments.

Overview

Ruggedized KVM (Keyboard, Video, Mouse) switches are designed to operate reliably in extreme conditions, including military vehicles, naval vessels, airborne platforms, and industrial environments. They enable operators to control multiple computers or servers from a single console while maintaining high security, environmental resilience, and operational efficiency .

Key Features

- **Environmental Durability:** Many rugged KVM switches meet MIL-STD-810G standards for shock, vibration, and temperature extremes, and are often IP67 compliant for dust and water resistance .
- **Security Certifications:** Some models, like the SK41D-4TR, are NIAP PP 4.0 certified and Tempest Level A compliant, ensuring protection against electromagnetic eavesdropping and tampering .
- **Video and Peripheral Support:** Rugged KVMs support multiple video formats including HDMI, DVI-D, and DisplayPort, often with resolutions up to 4K@30Hz or 2600x1600@60Hz. USB 2.0 or 3.0 ports allow peripheral sharing, and some models include CAC (Common Access Card) support for secure authentication .
- **Anti-Tampering and Reliability:** Advanced models feature battery-powered anti-tamper systems, self-test routines, and LED indicators to detect unauthorized access or mechanical intrusion .

Article Content

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Secure rugged 4-Port KVM Switch

The SK41D-4TR, HSL's 4-Port HDMI Rugged secure KVM Switch, provides military users with superior security under the most

4 Ports Secure Ruggedized DVI-D KVM Switch

EDID Acquisition When using the HSL Secure KVM Switch, EDID is acquired from the connected display and duplicated on all

RUGGED KVM HIGHLIGHTS

RUGGED MODELS NIAP PP4.0 for PSD Compliant - All of HSL's rugged KVM switches are compliant with or certified to NIAP PP

Contact Us

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