K304E

HighSecLabs Secure 4−Port KM Switch





The K304E is a secure 4−port KM Switch. It allows an easy yet secure sharing of keyboard and mouse between four different security−level sources/computers. K304E provides the highest possible isolation between four connected computers.

HSL Virtual Display Technology (VDT) switches the K304E seamlessly between computers once the mouse cursor crosses display borders. The K304E works smoothly with all operating systems, from Microsoft to Linux and Apple with no need for software installation. An RDC port enables user−friendly, comfortable remote control of the KVM switch. For enhanced security, a USB user authentication port (DPP) connects to a smart card or biometric reader. This requires the insertion of a physical authentication card or identification of a fingerprint to access the various computers/networks.

FEATURES

- Virtual Display Technology (VDT) - Seamless keyboard, mouse and audio switching between computers once mouse cursor crosses display borders.
- Display Configurations - Arrives with a predefined preset of display configurations for ease of use. In addition, HSL VDT application allows administrators to configure any desired display configuration required.
- Multiple-Head Support - Can be easily configured to support dual/triple/multiple displays through HSL VDT application.
- OS Independent - Support for all Microsoft OS, Linux and Apple with no need for SW installation
- Biometric/Smart-Card Reader Support - Special secured port (DPP) for smart−card/biometric reader with patented freeze function to support user authentication across multiple isolated networks.
- Highest Security by Design - Common Criteria EAL 4+ approved, compatible with NIAP security requirements.
- Hardware-Based Peripheral Isolation - No dependency on firmware or software, all firmware on ROM (Read Only Memory), no keyboard buffering or memory.
- Unidirectional Optical Data Diodes - Assures USB peripheral isolation, data flows from devices to host only.
- Peripheral Security - Full USB device filtering to assure support for keyboard and mouse only.
- Active Anti-Tampering System - Always−on with 10 years battery, holographic tampering evident labels.

TECHNICAL SPECIFICATIONS

HOST INPUT PORTS:	4 USB−B connector for keyboard and mouse, 4 3.5mm mini jack for unbalanced stereo audio, 4 USB−B dedicated peripheral ports (DPP).
CONSOLE PORTS:	2 USB−A connectors for keyboard and mouse, 1 USB−A dedicated peripheral port (DPP), 2 DIN−5 connectors for PS/2 keyboard and mouse, 1 3.5mm mini jack for unbalanced stereo audio, 1 RJ−45 remote desktop controller port (RDC).
CHANNEL SWITCHING:	Front panel buttons, remote desktop controller (RDC) (optional).
POWER CONSUMPTION:	12V DC, 1.5A max.
OPERATING TEMPERATURE:	0° to +40°C (32° to 104°F).
STORAGE TEMPERATURE:	−40° to +60°C (−40° to 140°F).
HUMIDITY:	10% to 90%, RHL non−condensing.
SECURITY ACCREDITATIONS:	Common Criteria EAL 4+ ALC_FLR.3.
DIMENSIONS:	32.0cm x 13.0cm x 5.2cm (12.6" x 5.1" x 2") W, D, H.
WEIGHT:	2.08kg (4.57lbs).
INCLUDED ACCESSORIES:	Power supply.