K2016E

HighSecLabs Secure 16−Port, DVI−I KVM Switch





The K2016E is a large 16−port, DVI−I secure KVM switch. It allows users to share peripherals – keyboard, mouse and monitor – between sixteen different security−level networks/computers. The K2016E is especially designed to provide the highest possible isolation between sixteen connected computers with each computer connected to a single display. The video ports support various video interfaces, from VGA to dual−link DVI and HDMI. 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

- Large KVM Switch - For high−density environments, designed for rack−mounting in data centers and server rooms.
- DVI-I Support - Supports sixteen computers each connected to a single display. Can drive VGA, HDMI and dual−link DVI video.
- 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.
- Future-Proof - Supports the widest range of video formats from VGA, single−link to 2560x1600 dual−link DVI and HDMI, supports latest keyboards, mice and all operating systems.
- 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, no keyboard buffering or memory.
- Unidirectional Optical Data Diodes - Assures USB peripheral isolation, data flows from devices to host only.
- Display Plug & Play (DDC) Protection - Leakage prevention through patented emulated technology, signaling attacks prevented by design, DDC/EDID fully functional.
- Peripheral Security - Full USB device filtering to assure support for keyboard and mouse only.
- Active Anti-Tampering - Always−on with 10 year battery, holographic tampering evident labels.

TECHNICAL SPECIFICATIONS

HOST INPUT PORTS:	16 DVI−I (F) connectors (VGA and HDMI supported via adapters), 8 USB−B connector for keyboard and mouse, 8 3.5mm mini jack for unbalanced stereo audio, 8 USB−B dedicated peripheral ports (DPP).
CONSOLE PORTS:	1 DVI−I (F) connector, 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).
RESOLUTION SUPPORTED:	Up to 2560 x 1600 @60Hz.
POWER:	90−240V AC.
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.
REGULATORY COMPLIANCE:	Safety: UL/cUL60950,EN60 950; EMI/EMC: FCC Class B, CE Mark, EN55022B, VCCI.
SECURITY ACCREDITATIONS:	EAL 4+, EMI/EMC: FCC Class B, CE Mark, EN55022B, VCCI, UL/cUL60950, EN60 950.
DIMENSIONS:	44.1cm x 17.4cm x 9.2cm (17.4" x 6.9" x 3.6") W, D, H.
WEIGHT:	5.6kg (12.32bs).
INCLUDED ACCESSORIES:	Power cord.