



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. 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.
CHANNEL SWITCHING:	Front panel buttons.
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.
INCLUDED ACCESSORIES:	Power cord.
PRODUCT DIMENSIONS:	44.10cm x 17.40cm x 9.20cm (17.36" x 6.85" x 3.62") W, D, H
PRODUCT WEIGHT:	5.6kg (12.3lbs) approx.
SHIPPING DIMENSIONS:	55.00cm x 24.00cm x 17.00cm (21.65" x 9.45" x 6.69") W, D, H
SHIPPING WEIGHT:	6.5kg (14.3lbs) approx.