



K424F

HighSecLabs Secure 4-Port, Dual-Display, DVI-D KVM Combiner



The **K424F** is a secure 4-port dual display DVI-D KVM combiner that allows secure, simultaneous work and interaction with up to four computers. It is an essential tool for heavy-duty users challenged by frequent switching between isolated networks. The **K424F** integrates up to four isolated sources at different security levels into two large displays. 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

- **Dual DVI-D Display Support** - Supports two DVI-D displays. In scale mode, the active channel is displayed on the main display while the other three channels are scaled and displayed on the secondary display.
- **Heavy-Duty User Convenience** - Works constantly and monitors multiple channels, no channel switching required.
- **Advanced Viewing Technology** - View up to four simultaneous networks in real-time through a pixel-by-pixel video image; no quality loss, latency, reduced colors, dropped frames or artifacts.
- **Advanced Scaling Function** - Allows user scaling of video source x50% and x25% to assure an optimized monitoring and working experience.
- **Biometric/Smart-Card Reader Support** - A special secured port (DPP) for smart-card/biometric reader, with patented freeze function, supports user authentication across multiple isolated networks.
- **Future-Proof** - Supports the 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 (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. Built-in keylock.

TECHNICAL SPECIFICATIONS

HOST INPUT PORTS:	4 DVI-D (F) connectors, 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 DVI-D (F) connectors, 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.
SUPPORTED VIDEO MODES:	Single-link DVI resolutions up to 1920x1200.
POWER CONSUMPTION:	12V DC, 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.
INCLUDED ACCESSORIES:	Power supply.
PRODUCT DIMENSIONS:	32.00cm x 13.00cm x 5.22cm (12.60" x 5.12" x 2.06") W, D, H
PRODUCT WEIGHT:	1.5kg (3.4lbs) approx.
SHIPPING DIMENSIONS:	32.00cm x 13.00cm x 32.00cm (12.60" x 5.12" x 12.60") W, D, H
SHIPPING WEIGHT:	2.7kg (6.0lbs) approx.