

Administrative management of the KVM is accomplished through the Administration and Security Management 1.2 utility. This is a free download (see the Support Tab at the top of this page) which provides management of user credentials, CAC device management, logs, EDID locking and restoring factory defaults. The Admin and Security Management 1.2 utility is available for Windows only. For managing MAC computers connected to the KVM, settings must be applied through a Windows PC.

# Secure KVM Switch, 4-Port, HDMI to DisplayPort, 4K, NIAP PP3.0 Certified, Audio, CAC, Single Monitor, TAA

# MODEL NUMBER: B002-HD1AC4











NIAP-certified KVM switch lets you swap between 4 computers with government- and military-level security and data protection.

#### **Features**

**4-Port KVM Switch, HDMI to DisplayPort, for Applications That Demand Secure Networks**This 4K HDMI KVM switch is recommended for any government, military, financial or healthcare environment where tight security of sensitive data is of utmost importance in a world of constantly changing cyberthreats. Each KVM port is an electronically isolated channel, making it impossible for data to be transferred between connected computers through the KVM. The single-monitor switch supports crystal-clear UHD video resolutions up to 4K at 30 Hz (3840 x 2160).

#### NIAP PP3.0 Certified to Meet Today's Top Information Assurance Standards

This KVM switch is certified by NIAP (National Information Assurance Partnership), which is operated by the National Security Agency (NSA), to the latest Common Criteria Protection Profile for Peripheral Sharing Switches Version 3.0. Discrete processing paths to each connected system prevent data leakage, transfer and crosstalk between adjacent ports. Peripheral isolation enables data to flow from device to host only.

#### Top-of-the-Line Security Features Keep Your Data Safe

Special protection prevents re-programming or re-reading firmware, so the switch's KVM logic remains unaltered. The keyboard buffer clears automatically after data transmission, ensuring no information is left stored. Plus, you can only access connected computers via buttons on the switch's panel. Other portswitching methods, such as On-Screen Display (OSD) and Hotkey Commands, have been excluded to further ensure data integrity.

#### **CAC Port Supports Biometric and Other Smart Card Readers**

The Common Access Card port supports smart cards, scanners and biometric readers, including fingerprint readers, to bolster security. You may assign and register specific peripherals to the CAC port,

# **Highlights**

- Safely and securely switches between 4 isolated computers with different security levels
- Certified to NIAP/Common Criteria Protection Profile for Peripheral Sharing Switches V3.0
- Common Access Card (CAC) port supports biometric and other smart card readers
- Supports UHD resolutions up to 4K @ 30 Hz (3840 x 2160) for crystal-clear video
- Complies with Federal Trade Agreements Act (TAA) for GSA Schedule purchases

#### **Applications**

- Control up to 4 computers with different security levels from a single monitor/keyboard/mouse
- Operate smart cards, scanners, fingerprint readers and other biometric devices via the CAC port
- Protect private information, such as medical or military intelligence data, from cyberattacks

#### **System Requirements**

- HDMI monitor
- Wired USB mouse/keyboard with no internal hub or composite device functions (wireless mouse/keyboard not supported)
- Computer with DisplayPort and USB port (USB 2.0 required for CAC support)
- Computer and speakers with 3.5 mm stereo audio port (optional)
- Windows, Mac, Linux or any other major operating system

# **Package Includes**

- B002-HD1AC4 Secure 4-Port NIAP PP3.0-Certified HDMI-to-DisplayPort KVM Switch
- External power supply w/NEMA 1-15P plug & 5 ft. cord (Input: 100-240V, 50/60 Hz, 0.8A; Output: 12V 2A)
- · Owner's manual



providing a secure connection for user authentication.

#### **Anti-Tampering Protection Prevents Physical Breeches**

If the housing is opened, internal anti-tamper switches will disable the unit, causing it to become inoperable and the front-panel LEDs to flash repeatedly. Seals on the enclosure will provide visual evidence of tampering.

#### Maintains Constant Keyboard and Mouse Emulation for Smooth No-Delay Switching

Full USB device filtering ensures support for keyboard and mouse only. This KVM switch also supports secure video emulation and EDID learning, which prevents unwanted data from transmitting through the DDC lines. Both keyboard/mouse and video emulation controllers restrict discovery of newly connected peripherals or monitors during switching operations, shielding your computers from potential vulnerabilities.

### Accessory Cable Kits - P783-006-U & P783-010-U (Sold Separately)

Designed specifically for the Tripp Lite B002-HD1AC4 NIAP KVM, these KVM cable kits help cut down on unnecessary clutter and save you money by combining all cables into one convenient kit. These cables are compatible with HDCP 2.2 and DisplayPort 1.2 standards while also supporting USB 2.0 data transfer speeds up to 480 Mbps.

# **TAA-Compliant for GSA Schedule Purchases**

The B002-HD1AC4 is compliant with the Federal Trade Agreements Act (TAA), which makes it eligible for GSA (General Services Administration) Schedule and other federal procurement contracts.

# **Specifications**

OVERVIEW		
UPC Code	037332221971	
Technology	DisplayPort; HDMI	
VIDEO		
Max Supported Video Resolution	3840 x 2160 @ 30Hz	
Max Supported Color Depth	36-bit Deep Color	
Chroma Sub Sampling	4:4:4	
INPUT		
AC Power Adapter Plug(s)	NEMA 1-15P North America	
AC Power Adapter Input Specs (V / Hz / A)	100-240V / 50/60Hz / 1.3A	
AC Power Adapter Output Specs (V / A)	12V / 3A	
AC Power Adapter Cord Length (ft.)	5	
AC Power Adapter Cord Length (m)	1.5	
Voltage Compatibility (VAC)	100; 110; 125; 127; 200; 208; 220; 230; 240	
Input Frequency	50/60Hz	
Redundancy - Dual Power Inputs	No	



Bus Powered	No	
POWER		
Power Source Type	AC Adapter	
DC Barrel Plug	OD: 5.5 x 2.1 x 7.5mm, Positive Pin, Negative Sleeve	
USER INTERFACE, ALERTS & CONTROLS		
LED Indicators	(x4) GREEN / PORT SELECTION, (x4) BLUE / CAC/EDID (PUSH-BUTTON), (x1) GREEN / VIDEO CONSOLE, (x1) GREEN / CAC CONSOLE	
PHYSICAL		
Color	Black	
Material of Construction	Metal	
Rackmountable	No	
Shipping Weight (lbs.)	0.00	
Shipping Weight (kg)	0.00	
Unit Dimensions (hwd / in.)	1.760 x 12.570 x 6.700	
Unit Dimensions (hwd / cm)	4.47 x 31.93 x 17.02	
Unit Packaging Type	Вох	
Unit Weight (lbs.)	2.45	
Unit Weight (kg)	1.11	
ENVIRONMENTAL		
Operating Temperature Range	32° to 104°F (0° to 40°C)	
Storage Temperature Range	4° to 140°F (-20° to 60°C)	
Relative Humidity	0% to 80%, Non-Condensing	
COMMUNICATIONS		
IP Remote Access	No	
CONNECTIONS		
Number of Ports	4	
PC/Server Connections	DisplayPort; USB	
Side A - Connector 1	3.5MM (FEMALE)	
Side A - Connector 2	HDMI (FEMALE)	
Side A - Connector 3	(3) USB A (FEMALE)	
Side B - Connector 1	3.5MM (FEMALE)	
Side B - Connector 2	DISPLAYPORT (FEMALE)	



Side B - Connector 3	(2) USB B (FEMALE)	
Computer Keyboard and Mouse Interface	USB	
Computer Monitor Interface	Displayport	
Console Keyboard and Mouse Interface	USB	
Console Monitor Interface	HDMI	
FEATURES & SPECIFICATIONS		
USB Specification	USB 1.1 (up to 12 Mbps)	
NIAP-Certified Secure	Yes	
Number of Users	1	
On-Screen Display (OSD)	No	
Port Selection	Pushbutton	
Driver Required	No	
Common Access Card (CAC) Support	Yes	
REMOTE ACCESS		
Modem Port	No	
STANDARDS & COMPLIANCE		
External Power Supply Certifications	CE; FCC; UL; cUL	
Product Compliance	NIAP PP3.0; RoHS; Trade Agreements Act (TAA)	
WARRANTY & SUPPORT		
Product Warranty Period (Worldwide)	3-year limited warranty	



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