Management Software

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, Dual Monitor, 4K, NIAP PP3.0 Certified, Audio, CAC, TAA

MODEL NUMBER: **B002-HD2AC4**



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 dual-monitor switch supports crystal-clear UHD video resolutions up to 3840 x 2160 (4K x 2K) at 30 Hz.

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 port-switching 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, providing a secure connection for user authentication.

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 3840 x 2160 (@ 30 Hz) for crystal-clear 4K x 2K video
- Dual-monitor support enables multitasking and generates increased productivity

Applications

- Control up to 4 computers with different security levels from a single HDMI 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 monitors
- 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-HD2AC4 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

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 allow for ultra-fast monitor switching while preventing 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-DPU & P783-010-DPU (Not Included) Designed specifically for the B002-DP2AC4 and B002-HD2AC4 NIAP KVM switches, 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-HD2AC4 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	037332221988
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
CONNECTIONS	
Number of Ports	4
PC/Server Connections	DisplayPort; USB
Side A - Connector 1	3.5MM (FEMALE)
Side A - Connector 2	(2) HDMI (FEMALE)
Side A - Connector 3	(3) USB A (FEMALE)
Side B - Connector 1	3.5MM (FEMALE)
Side B - Connector 2	(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
USER INTERFACE, ALERTS & CONTROLS	
LED Indicators	(x4) GREEN / PORT SELECTION, (x4) BLUE / CAC/EDID (PUSH-BUTTON), (x2) GREEN / VIDEO CONSOLE, (x1) GREEN / CAC CONSOLE
PHYSICAL	
Color	Black
Material of Construction	Metal
Rackmountable	No
Unit Dimensions (hwd / in.)	2.700 x 12.570 x 6.700
Unit Dimensions (hwd / cm)	6.86 x 31.93 x 17.02
Unit Packaging Type	Box
Unit Weight (lbs.)	3
Unit Weight (kg)	1.36
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

FEATURES & SPECIFICATIONS	
USB Specification	USB 1.1 (up to 12 Mbps); USB 2.0 (up to 480 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; UKCA; cUL
Product Certifications	NOM (Mexico)
Product Compliance	NIAP PP4.0; RoHS; CE (Europe); UKCA; FCC (USA); Trade Agreements Act (TAA)
WARRANTY & SUPPORT	
Product Warranty Period (Worldwide)	3-year limited warranty

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