Management Software

Administrative management is accomplished through the Administration and Security Management 1.2 utility. This free download (see Support tab above) provides management of user credentials, 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, 8-Port, Single Head, DisplayPort to DisplayPort, 4K, NIAP PP4.0, Audio, CAC, TAA

MODEL NUMBER: **B002-DP1AC8-N4**









NIAP-certified KVM lets you access multiple computers from a single console while protecting data from accidental or unauthorized transfer between them.

Features

8-Port DisplayPort KVM Switch Is Ideal for Applications That Demand Secure Networks
This KVM switch is recommended for any government, military, finance, education 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, even when the computers are of different security levels. The single-monitor switch supports crystal-clear Ultra HD video resolutions up to 3840 x 2160 (4K x 2K) at 30 Hz.

NIAP PP4.0 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 4.0. 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 of 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

Highlights

- Safely and securely switches between 8 isolated computers with different security levels
- Certified to NIAP/Common Criteria Protection Profile for Peripheral Sharing Switches v4.0
- Common Access Card (CAC) port supports biometric and other smart card readers
- Supports UHD resolutions up to 4K @ 30 Hz for crystal-clear video
- Complies with Federal Trade Agreements Act (TAA) for GSA Schedule purchases

System Requirements

- DisplayPort monitors
- Wired USB mouse/keyboard with no internal hub or composite device functions (wireless mouse/keyboard not supported)
- Computer with DisplayPort and USB ports (USB 2.0 required for CAC support)
- Computer and speakers with 3.5 mm stereo audio port (optional)
- Any major operating system

Package Includes

- B002-DP1AC8-N4 8-Port NIAP PP4.0-Certified DisplayPort KVM Switch
- External power supply w/NEMA 1-15P plug (Input: 100–240V, 50/60 Hz, 1.3A; Output: 12V 3A). Includes 4 interchangeable power supply heads (US, UK, EU & Australia)
- Owner's manual

fingerprint readers, to bolster security. You may assign and register specific peripherals to the CAC port, 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 — no flash drives allowed. 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 and P783-010-U
P783-006-U and P783-010-U KVM cable kits (sold separately) help eliminate unnecessary clutter and save you money by combining cables into one convenient kit. These cables comply with HDCP 2.2 and DisplayPort 1.2 standards and support USB 2.0 speeds up to 480 Mbps.

TAA-Compliant for GSA Schedule Purchases
The B002-DP1AC8-N4 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	037332274885
Technology	DisplayPort
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)	AS/NZS 3112 Australia; BS 1363 UK; CEE 7/7 Schuko; 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
CONNECTIONS	
Number of Ports	8
PC/Server Connections	DisplayPort; USB
Side A - Connector 1	3.5MM (FEMALE)
Side A - Connector 2	(1) DISPLAYPORT (FEMALE)
Side A - Connector 3	(3) USB A (FEMALE)
Side B - Connector 1	(8) 3.5MM (FEMALE)
Side B - Connector 2	(8) DISPLAYPORT (FEMALE)
Side B - Connector 3	(16) USB B (FEMALE)
Computer Keyboard and Mouse Interface	USB
Computer Monitor Interface	Displayport
Console Keyboard and Mouse Interface	USB
Console Monitor Interface	Displayport
USER INTERFACE, ALERTS & CONTROLS	
LED Indicators	(x8) GREEN / PORT SELECTION / CAC/EDID (PUSH-BUTTON), (x1) GREEN / VIDEO CONSOLE, (x1) GREEN / CAC CONSOLE
PHYSICAL	
Color	Black
Material of Construction	Metal
Rackmountable	No
Shipping Weight (lbs.)	6.00
Shipping Weight (kg)	2.72
Unit Dimensions (hwd / in.)	1.760 x 17.000 x 8.690
Unit Dimensions (hwd / cm)	4.47 x 43.18 x 22.07
Unit Packaging Type	Box
Unit Weight (lbs.)	6.3
Unit Weight (kg)	2.86
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
Displayport Specification	1.2
HDCP Specification	2.2
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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