F1DN104P-3
F1DN104W-3
F1DN104Q-3

F1DN104P-3

F1DN104W-3

F1DN104Q-3

BELKIN SECURE DISPLAYPORT TO HDMI KVM SWITCH

SECURE | CERTIFIED | CONNECTED

Secure DisplayPort to HDMI KVM Switch

The Belkin Secure DisplayPort to HDMI KVM Switch is designed for use in defense and intelligence installations requiring consolidated control between computers running at different security enclaves and provides the stringent safeguards required by today's IA (Information Assurance) computing requirements.

The Belkin Secure DisplayPort to HDMI KVMs are compatible with DisplayPort 1.1 and 1.2 protocols and support resolutions of up to UHD 4K (3840 x 2160 @30 Hz), making them the ideal switching platform for use with today's high-performance graphics cards and GPUs.

Certified to the NIAP PP3.0 certification and assurance standard, users can confidently leverage the same set of monitors and PC peripherals to streamline work flows and enhance efficiencies in working across disparate systems and security enclaves without introducing pathways for cybersecurity threats to migrate from one system to the next. The Belkin Secure KVM maintains true air-gap isolation by emulating video EDID and USB communication between inputs and outputs. Further, optical data diodes on all USB connections assure uni-directional data flow of HID filtered information with no signal leakage between channels. Dedicated Common Access Card input ports consolidate the number of CAC readers and allow a single reader to be shared across all 4 systems for user authentication.

Integrated anti-tamper switches protected by an always-on battery backup system immediately render the unit permanently inoperable in the event of a breech attempt. Unique mechanical design accommodates desktop or under-desk mounting with optional bracket along with an optional remote-control.

KEY FEATURES AND BENEFITS

- **Certified for Use on Government and Military Networks**
  Certified for NIAP Protection Profile PSS 3.0.

- **TAA Compliant**
  Assembled in the USA, US-based technical support, secure packaging ensures integrity from factory to user site.

- **Compatible with DisplayPort Graphic Cards**
  Supports DisplayPort 1.1 and 1.2 protocols.

- **Protected DisplayPort Channel Switching and the latest peripheral security to prevent data leakages between multiple networks.**
  Converts DisplayPort to HDMI, physically eliminating the Aux channel and the potential to transmit unauthorized data between systems. EDID emulation prevents leakage of information between connected computers and the display(s). Optical data-diodes and USB emulation isolate the keyboard/mouse from connected computers and minimize risk of data theft.

- **High Resolution Video**
  Support for up to UHD 4K: Up to 3840 x 2160 @ 30 Hz

- **Models:**
  Choose the model that suits you best.
  - F1DN104P-3
    Single-Head, 4-port KVM, with Audio & CAC port.

  - F1DN104W-3
    Dual-Head, 4-port KVM, with Audio & CAC port.

  - F1DN104Q-3
    Quad-Head, 4-port KVM, with Audio & CAC port.

All Belkin Secure KVMs are designed and assembled in the United States and shipped in tear-away packaging, preserving cyber assurance from factory to installation at the end site. US-based technical support, and a standard 3-year warranty with options for up to 5 years of coverage provide unsurpassed customer support. The Belkin DisplayPort Secure KVM represents the ideal solution against today's cyber threats for mission-critical applications in government, military, financial, healthcare, energy, and any application seeking guaranteed isolation between systems at the operator's desk.

NIAP CERTIFIED TO COMMON CRITERIA PROTECTION PROFILE PSS VER 3.0

This Belkin product is certified by NIAP to the latest Common Criteria Protection Profile PSS Ver 3.0, which exceeds EAL4 and PP PSS Ver. 2.1.

Front and Rear Panel Views

F1DN104P-3

F1DN104W-3

F1DN104Q-3

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Belkin Secure DisplayPort to HDMI KVM Switch

PART NUMBER	F1DN104P-3	F1DN104W-3	F1DN104Q-3
No. of Computers	4	4	4
No. of Displays	1	2	4 (3 HDMI, 1 DVI)
Max Resolutions Supported	3840 x 2160 pixels (UHD 4K) @ 30Hz, 2560 x 1600 pixels @ 60Hz		
CONSOLE PORTS (DEVICES)			
Console Mouse/ Keyboard Ports	USB Type-A female connector or PS/2 Mini-DIN 6-pin female connector (1 designated port for mouse and 1 designated port for keyboard)		
Console Display Ports	1 x HDMI 1.4 port	2 x HDMI 1.4 ports	3 x HDMI1.4 ports, 1 x DVI-I port
Console Audio Jack	1/8" (3.5mm) female		
DCU port	RJ25		
COMPUTER PORTS			
Computer Display Ports	4 x DisplayPort 1.1/1.2 port	8 x DisplayPort 1.1/1.2 ports	12 x DisplayPort 1.1/1.2 ports and 4 x DVI-I port
Computer Audio Jack	1/8" (3.5mm) female		
Computer Keyboard/Mouse Ports	USB Type B		
Computer CAC Ports	USB Type B		
PHYSICAL			
Dimensions	12.6(W) x 1.74(H) x 6.2(L) in 320.04(W) x 44.2(H) x157.5(L) mm	12.6(W) x 2.5(H) x 6.2(L) in 320.04(W) x 63.5(H) x 157.5(L) mm	12.6(W) x 9.5(H) x 6.2(L) in 320.04(W) x 241.3(H) x 157.48(L) mm
Weight	3.775 lbs. (1.7 kg.)	4.735 lbs. (2.15 kg.)	6.48 lbs. (2.94 kg.)
POWER			
Power Requirements	12V 1.5A DC Power Supply	12V 3A DC Power Supply	12V 3A DC Power Supply
AC Input	100 to 240VAC		
Power Type	External		
ENVIRONMENTAL			
Operating Temperature	32° to 104° F (0° to 40° C)		
Storage Temperature	-4° to 140° F (-20° to 60° C)		
Humidity Storage and Use	0-80% RH, non-condensing		
CERTIFICATION			
Security Accreditation	NIAP certified to latest Protection Profile PSS Ver 3.0, which exceeds EAL4.		
Regulatory Compliance	FCC Class B, UL, CE, RoHS, ICES, RCM		
GENERAL INFORMATION			
Made In	Designed in California. Assembled in US with US-based technical support (TAA compliant).		
Product Life-Cycle	5 years		
Warranty	3 years Standard (upgradeable to 4 or 5 years)		
Enclosure	Heavy-duty aluminum enclosure with metal faceplate.		

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Belkin Secure DisplayPort to HDMI KVM Switch
Recommended Cable Solutions

SKVM PC CONNECTION COMBO CABLES	PART NUMBER	DESCRIPTION
Video/Keyboard/Mouse/Audio	F1D9019b06 F1D9019b10	DP/DP, USB A/B plus Audio combo cable, 6' DP/DP, USB A/B plus Audio combo cable, 10'
Dual-Monitor Video/Keyboard/ Mouse/Audio	F1D9020b06 F1D9020b10	Dual Monitor DP/DP, USB A/B plus Audio combo cable, 6' Dual Monitor DP/DP, USB A/B plus Audio combo cable, 10'
CAC Reader Cable	F1D9013b06 F1D9013b10	USB A/B cable, 6' USB A/B cable, 10'

Accessories and Optional Service Items

PART NUMBER	DESCRIPTION
0401-00348	Replacement Power Adapter, 12V/1.5A, North America
0401-00431	Replacement Power Adapter, 12V/1.5A, EU
0401-00432	Replacement Power Adapter, 12V/1.5A, UK
0401-00349	Replacement Power Adapter, 12V/3A, North America
0401-00433	Replacement Power Adapter, 12V/3A, EU
F1DN002R	Advanced Secure LCD Desktop Controller for 2 or 4 Port SKVM
F1D006	Mounting Bracket for F1DN102KVM-UN-3, F1DN202KVM-UN-3, F1DN104KVM-UN-3, F1DN104B-3, F1DN104C-3, F1DN104P-3, F1DN104K-3 or F1DN204M-3
F1D008	Mounting Bracket for F1DN104E-3, F1DN104F-3, F1DN104W-3, F1DN204KVM-UN-3, F1DN104Q-3
F1DN005U	USB Smart Card/CAC Reader

Learn more at **belkin.com/cybersecurity**