



F1DN108C-3



F1DN108F-3



F1DN116C-3

# BELKIN SECURE 8/16-PORT DVI-I KVM SWITCH

SECURE | CERTIFIED | CONNECTED

## Secure DVI-I KVM Switch

The Belkin Secure 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 DVI-I KVMs support DVI-I dual-link inputs/outputs for up to 4K (3840 x 2160 pixels) at 30Hz video resolutions and can support inputs from both digital and analog (VGA) sources.

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 unidirectional data flow of HID filtered information with no signal leakage between channels. Dedicated Common Access Card (CAC) input ports consolidate the number of CAC readers and allow a single reader to be shared across all 8 or 16 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 breach attempt. Unique mechanical design accommodates desktop or under-desk mounting with optional bracket along with an optional remote-control. Unique mechanical design accommodates desktop or under-desk mounting with optional bracket along with an optional remote-control capability to further declutter the operator's desk.

## 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 DVI-I Graphic Cards**  
Supports single-link and dual-link DVI-I; VGA and HDMI input/output supported via compatible cables.
- **High Resolution Video**  
Support for up to UHD 4K: Up to 3840 x 2160 @ 30 Hz
- **Models:**  
Choose the model that suits you best.
  - F1DN108C-3  
Single-Head, 8-port DVI-I KVM, with Audio and CAC port.
  - F1DN108F-3  
Dual-Head, 8-port DVI-I KVM, with Audio and CAC port.
  - F1DN116C-3  
Single-Head, 16-port DVI-I KVM, with Audio and 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, advance replacements, 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**



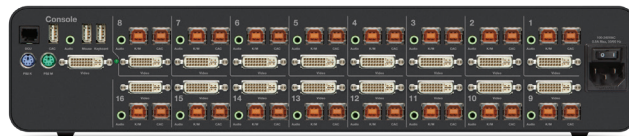
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F1DN108F-3



F1DN116C-3



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## Belkin Secure 8/16-Port DVI-I KVM Switch



PART NUMBER	F1DN108C-3	F1DN108F-3	F1DN116C-3
<b>No. of Computers</b>	8	8	16
<b>No. of Displays</b>	1	2	1
<b>Max Resolutions Supported</b>	3840 x 2160 pixels (UHD 4K) @ 30Hz, 2560 x 1600 pixels @ 60Hz		
<b>CONSOLE PORTS (DEVICES)</b>			
<b>Console Keyboard/Mouse Ports</b>	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)		
<b>Console Display Ports</b>	1x DVI-I Dual-Link female	2x DVI-I Dual-Link female	1x DVI-I Dual-Link female
<b>Console Audio Jack</b>	1/8" (3.5mm) female		
<b>Console CAC Port</b>	USB Type A		
<b>DCU Port</b>	RJ25		
<b>COMPUTER PORTS</b>			
<b>Computer Display Ports</b>	8x DVI-I Dual-Link female	8x DVI-I Dual-Link female	16x DVI-I Dual-Link female
<b>Computer Audio Jack</b>	1/8" (3.5mm) female		
<b>Computer Keyboard/Mouse Ports</b>	USB Type B		
<b>Computer CAC Ports</b>	USB Type B		
<b>PHYSICAL</b>			
<b>Dimensions</b>	17.2(W) x 1.6(H) x 8.1(D) in 436.9(W) x 40.6(H) x 205.7(D) mm	17.2(W) x 3.5(H) x 8.1(D) in 436.9(W) x 88.9(H) x 205.7(D) mm	17.2(W) x 3.8(H) x 8.1(D) in 436.9(W) x 88.9(H) x 205.7(D) mm
<b>Weight</b>	9.8 lbs. (4.4 kg.)	13.07 lbs. (5.9 kg.)	13.76 lbs. (6.24 kg.)
<b>POWER</b>			
<b>Power Requirements</b>	100-240VAC, 0.9A Max, 50/60Hz		
<b>AC Input</b>	100 to 240VAC		
<b>Power Type</b>	External		
<b>ENVIRONMENTAL</b>			
<b>Operating Temperature</b>	32° to 104° F (0° to 40° C)		
<b>Storage Temperature</b>	-4° to 140° F (-20° to 60° C)		
<b>Humidity Storage &amp; Use</b>	0-80% RH, non-condensing		
<b>CERTIFICATION</b>			
<b>Security Accreditation</b>	NIAP certified to latest Protection Profile PSS Ver 3.0, which exceeds EAL4.		
<b>Regulatory Compliance</b>	FCC Class A, UL, CE, RoHS, ICES, RCM, Mil-S-901 Shock Grade A, Class III, Type A (F1DN108C-3).		
<b>GENERAL INFORMATION</b>			
<b>Made In</b>	Designed in California. Assembled in US with US-based technical support (TAA compliant).		
<b>Product Life-Cycle</b>	5 years		
<b>Warranty</b>	3 years Standard (upgradeable to 4 or 5 years)		
<b>Enclosure</b>	Heavy-duty aluminum enclosure with metal faceplate.		



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## Belkin Secure 8/16-Port DVI-I KVM Switch

### Recommended Cable Solutions

SKVM PC CONNECTION COMBO CABLES	PART NUMBER	DESCRIPTION
Video/Keyboard/Mouse/Audio	F1D9012b06 F1D9012b10	DVI-D, USB A/B plus Audio combo cable, 6' DVI-D, USB A/B plus Audio combo cable, 10'
Dual-Monitor Video/Keyboard/Mouse/Audio	F1D9014b06 F1D9014b10	Dual Monitor DVI-D, USB A/B plus Audio combo cable, 6' Dual Monitor DVI-D, 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
8000-00817	Replacement Rack Ears for F1DN108C-3
8000-00818	Replacement Rack Ears for F1DN108F-3 and F1DN116C-3
F1DN003R	Advanced Secure LCD Desktop Controller for 8 and 16-port KVMs
F1D005U	USB Smart Card/CAC Reader

Learn more at [belkin.com/cybersecurity](https://belkin.com/cybersecurity)