



F1DN102KVM-UN-3



F1DN202KVM-UN-3



F1DN104KVM-UN-3



F1DN204KVM-UN-3



# BELKIN SECURE UNIVERSAL KVM SWITCH

SECURE | CERTIFIED | CONNECTED

## Belkin Secure Universal DP/HDMI to DP/HDMI KVM

Utilizing an innovative display connection technology, the Belkin NIAP PP3.0 certified Secure Universal KVM Switch can simultaneously accommodate legacy DVI-D input/output as well as modern, high resolution HDMI and DisplayPort input/outputs using passive cabling. The innovative connector design and internal video conversion allows the same SKVM to be used for legacy systems and accommodate anticipated technology changes over time, ensuring today's investment is not rendered obsolete as underlying systems get upgraded.

The Belkin Secure Universal KVM is the ideal solution for systems using high performance Display Port graphics outputs as well as monitor inputs. The platform is fully compatible with Display Port connections supporting resolutions of UHD 4K @60Hz. The platform's flexibility also allows support for standard definition and HD resolutions supported by DVI-D Single Link without the need for external graphic conversions using costly active cables. The platform is truly plug and play now and into the future.

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 Universal KVM maintains true air-gap isolation by emulating video EDID and USB communication between inputs and outputs.

## 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.
- **Support DisplayPort, HDMI, and DVI-D via Passive Cabling**  
The Belkin Secure Universal SKVM supports video for any combination of DP, HDMI, and DVI-D I/O with only passive cables at resolutions from 800 x 600 to 4K (3840 x 2160) @60Hz.
- **Protected Video Channel Switching and the latest peripheral security isolation to prevent data leakages between different security enclaves.**
- **Future Proof**  
The Belkin Secure Universal SKVM supports most current and many future display resolutions. As the graphic input/outputs change, the SKVM can accommodate these changes with the appropriate passive connection cable, ensuring high ROI from infrastructure investments.
- **Models:**  
Choose the model that suits you best.
  - F1DN102KVM-UN-3  
Single-Head, 2-port KVM, with Audio & CAC port.  
F1DN102KVM-UNN3  
F1DN102KVM-UN-3 assembled with 8300-00767 CAC port cover
  - F1DN202KVM-UN-3  
Dual-Head, 2-port KVM, with Audio & CAC port.  
F1DN202KVM-UNN3  
F1DN202KVM-UN-3 assembled with 8300-00767 CAC port cover
  - F1DN104KVM-UN-3  
Single-Head, 4-port KVM, with Audio & CAC port.  
F1DN104KVM-UNN3  
F1DN104KVM-UN-3 assembled with 8300-00765 CAC port cover
  - F1DN204KVM-UN-3  
Dual-Head, 4-port KVM, with Audio & CAC port.  
F1DN204KVM-UNN3  
F1DN204KVM-UN-3 assembled with 8300-00765 CAC port cover

Further, optical data diodes on all USB connections assure uni-directional data flow of HID filtered information with better than -60dB of isolation between channels. Dedicated Common Access Card input ports consolidate the number of CAC readers and allow a single reader to be shared across all connected systems for user authentication.

Integrated anti-tamper switches 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 capability to further declutter the operator's desk. Innovative channel designator inserts and no keyboard shortcuts for switching ensure operators are always aware of which security enclave they are working on.

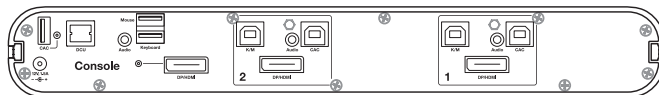
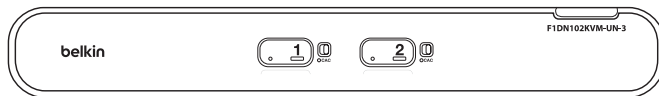
All Belkin Secure KVMs are designed and assembled in the United States and shipped in tear-away packaging, ensuring that the unit has not been tampered from the factory to delivery at the end site. US-based technical support, free replacements, a standard 3-year warranty with options for up to 5 years of coverage provide unsurpassed customer support. The Universal Secure KVMs represent 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.

**CERTIFIED TO NIAP  
 PROTECTION PROFILE PSS VER 3.0**

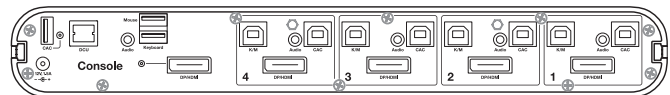
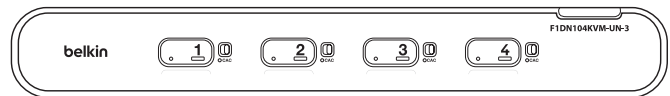
This Belkin product is certified to the NIAP Protection Profile PSS Ver 3.0, which exceeds EAL4 and PP PSS Ver. 2.1.

**Front and Rear Panel Drawings**

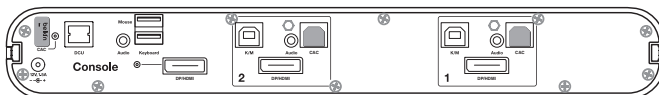
**Single Head**



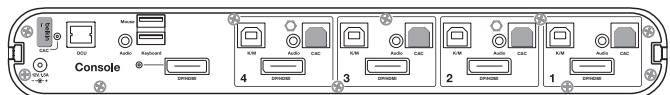
F1DN102KVM-UN-3



F1DN104KVM-UN-3

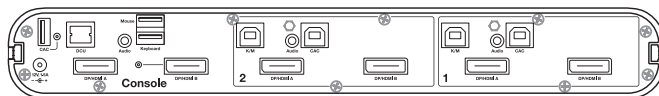
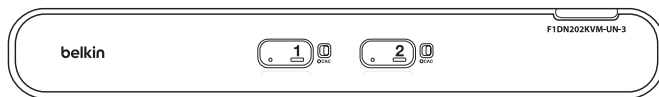


F1DN102KVM-UNN3

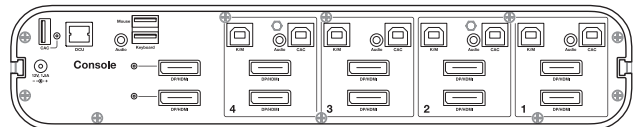
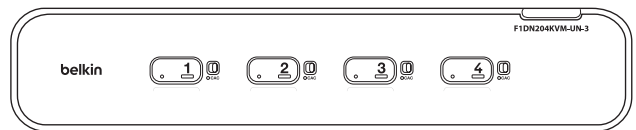


F1DN104KVM-UNN3

**Dual Head**



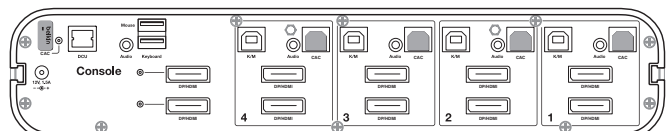
F1DN202KVM-UN-3



F1DN204KVM-UN-3



F1DN202KVM-UNN3



F1DN204KVM-UNN3



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**Belkin Secure  
 Universal KVM Switch**



PART NUMBER	F1DN102KVM-UN-3	F1DN202KVM-UN-3	F1DN104KVM-UN-3	F1DN204KVM-UN-3
<b>No. of Computers</b>	2	2	4	4
<b>No. of Displays</b>	1	2	1	2
<b>Max Resolutions Supported</b>	3840 x 2160 pixels (UHD 4K) @ 60Hz (DP Input/HDMI 2.0 Output only) 3840 x 2160 pixels (UHD 4K) @ 30Hz (DP)			
<b>CONSOLE PORTS (DEVICES)</b>				
<b>Console Mouse and Keyboard Ports</b>	USB Type-A female connector (1 designated port for mouse and 1 designated port for keyboard)			
<b>Console Display Ports</b>	1 x DP 1.2a or 1 x HDMI 2.0 via combo connector	2 x DP 1.2a or 2 x HDMI 2.0 via combo connector	1 x DP 1.2a or 1 x HDMI 2.0 via combo connector	2 x DP 1.2a or 2 x HDMI 2.0 via combo connector
<b>Console Audio Jack</b>	1/8" (3.5mm) female			
<b>Console CAC Input when equipped with a CAC port</b>	USB Type A			
<b>DCU Port</b>	RJ25			
<b>COMPUTER PORTS</b>				
<b>Computer Display Ports</b>	1 x DP 1.2a port or 1 x HDMI 2.0 via combo connector	2 x DP 1.2a port or 2 x HDMI 2.0 via combo connector	1 x DP 1.2a port or 1 x HDMI 2.0 via combo connector	2 x DP 1.2a port or 2 x HDMI 2.0 via combo connector
<b>Computer Audio Jack</b>	1/8" (3.5mm) female			
<b>Computer Keyboard/Mouse Ports</b>	USB Type B			
<b>Computer CAC Ports when equipped with a CAC port</b>	USB Type B			
<b>PHYSICAL</b>				
<b>Dimensions</b>	12.5 (W) x 2.5 (H) x 6.2 (L) inches / 317.5 (W) x 63.5 (H) x 162.6 (L) mm	12.5 (W) x 2.5 (H) x 6.2 (L) inches / 317.5 (W) x 63.5 (H) x 162.6 (L) mm	12.5 (W) x 2.5 (H) x 6.2 (L) inches / 317.5 (W) x 63.5 (H) x 162.6 (L) mm	12.5 (W) x 3.6 (H) x 6.2 (L) inches / 317.5 (W) x 91.4 (H) x 162.6 (L) mm
<b>Weight</b>	3.9 lbs.(1.77 kg.)	4.85 lbs.(2.2 kg.)	3.9 lbs.(1.77 kg.)	4.85 lbs.(2.2 kg.)
<b>POWER</b>				
<b>Power Requirements</b>	12V 1.5A DC Power Supply			
<b>AC Input</b>	100 to 240VAC			
<b>Power Type</b>	Worldwide with interchangeable mains connectors for NA, EU, UK, ANZ included 5mm DIN connector.			
<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 and Use</b>	0-80% RH, non-condensing			
<b>CERTIFICATION</b>				
<b>Security Accreditation</b>	Certified to NIAP Protection Profile PSS Ver 3.0, which exceeds EAL4. NIAP listed.			
<b>Regulatory Compliance</b>	FCC Class B, UL, CE, RoHS, ICES, RCM			
<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 Universal KVM Switch Recommended Cable Solutions

KVM PC CONNECTION COMBO CABLES	SINGLE OUTPUT PC	DESCRIPTION
<b>HDMI to HDMI</b>	F1DN1CCBL-HH-6 F1DN1CCBL-HH-10	HDMI/USB/AUD Passive SKVM CBL,HDMI M/M; USB A/B, 6' with High Retention HDMI Connectors HDMI/USB/AUD Passive SKVM CBL,HDMI M/M; USB A/B, 10' with High Retention HDMI Connectors
<b>DVI to HDMI</b>	F1DN1CCBL-DH-6 F1DN1CCBL-DH-10	DVI to HDMI/USB/AUD Passive SKVM CBL, DVI/HDMI MM; USB A/B, 6' with High Retention HDMI Connector DVI to HDMI/USB/AUD Passive SKVM CBL, DVI/HDMI MM; USB A/B, 10' with High Retention HDMI Connector
<b>USB-C to DP</b>	F1DN1CCBL-CP-6 F1DN1CCBL-CP-10	USB-C to DP/USB/AUD Active SKVM CBL, VID M/M; USB B, 6' USB-C to DP/USB/AUD Active SKVM CBL, VID M/M; USB B, 10'
<b>mDP to DP</b>	F1DN1CCBL-MP-6 F1DN1CCBL-MP-10	Mini DP to DP/USB/AUD Passive SKVM CBL, DP M/mDP M; USB A/B, 6' Mini DP to DP/USB/AUD Passive SKVM CBL, DP M/mDP M; USB A/B, 10'
<b>DP to DP</b>	F1D9019b06 F1D9019b10	DISPLAYPORT/USB/AUD Passive SKVM CBL, DP M/M; USB A/B, 6' DISPLAYPORT/USB/AUD Passive SKVM CBL, DP M/M; USB A/B, 10'
KVM PC CONNECTION COMBO CABLES	DUAL OUTPUT PC	DESCRIPTION
<b>HDMI to HDMI</b>	F1DN2CCBL-HH-6 F1DN2CCBL-HH-10	DUAL HDMI/USB/AUD Passive SKVM CBL, HDMI M/M; USB A/B, 6' with High Retention Connectors DUAL HDMI/USB/AUD Passive SKVM CBL, HDMI M/M; USB A/B, 10' with High Retention Connectors
<b>DVI to HDMI</b>	F1DN2CCBL-DH-6 F1DN2CCBL-DH-10	DUAL DVI to HDMI/USB/AUD Passive SKVM CBL, VID MM; USB A/B, 6' with High Retention HDMI Connector DUAL DVI to HDMI/USB/AUD Passive SKVM CBL, VID MM; USB A/B, 10' with High Retention HDMI Connector
<b>DVI to HDMI and DP to DP</b>	F1DN2CC-DHPP-6 F1DN2CC-DHPP-10	DUAL (1 ) DVI to HDMI (1) DP to DP/USB/AUD Passive SKVM CBL, 6' DUAL (1 ) DVI to HDMI (1) DP to DP/USB/AUD Passive SKVM CBL, 10'
<b>USB-C to DP</b>	F1DN2CCBL-CP-6 F1DN2CCBL-CP-10	DUAL USB-C to DP/USB/AUD Active SKVM CBL, VID M/M; USB B, 6' DUAL USB-C to DP/USB/AUD Active SKVM CBL, VID M/M; USB B, 10'
<b>mDP to DP</b>	F1DN2CCBL-MP-6 F1DN2CCBL-MP-10	DUAL Mini DP to DP/USB/AUD Passive SKVM CBL, VID M/M; USB A/B, 6' DUAL Mini DP to DP/USB/AUD Passive SKVM CBL, VID M/M; USB A/B, 10'
<b>DP to DP</b>	F1D9020b06 F1D9020b10	DUAL DP/USB/AUD Passive SKVM CBL, DP M/M; USB A/B, 6' DUAL DP/USB/AUD Passive SKVM CBL, DP M/M; USB A/B, 10'
KVM MONITOR OR VIDEO ONLY CABLES		DESCRIPTION
<b>DP to DP</b>	F1DN1VCBL-PP-6 F1DN1VCBL-PP-10	DISPLAYPORT/DISPLAYPORT Passive SKVM VIDEO CBL, DP M/M; 6' DISPLAYPORT/DISPLAYPORT Passive SKVM VIDEO CBL, DP M/M; 10'
<b>HDMI to HDMI</b>	F1DN1VCBL-HH-6 F1DN1VCBL-HH-10	HDMI/HDMI Passive SKVM VIDEO CBL, HDMI M/M; 6' with High Retention HDMI Connectors HDMI/HDMI Passive SKVM VIDEO CBL, HDMI M/M; 10' with High Retention HDMI Connectors
<b>HDMI to DVI DL</b>	F1DN1VCBL-DH-6 F1DN1VCBL-DH-10	HDMI/DVI Passive SKVM VIDEO CBL, HDMI M/DVI M; 6' with High Retention HDMI Connector HDMI/DVI Passive SKVM VIDEO CBL, HDMI M/DVI M; 10' with High Retention HDMI Connector
<b>DP to mDP</b>	F1DN1VCBL-MP-6 F1DN1VCBL-MP-10	Mini DP/DP Passive SKVM VIDEO CBL, mDP M/DP M; 6' Mini DP/DP Passive SKVM VIDEO CBL, mDP M/DP M; 10'

## Accessories

PART NUMBER	DESCRIPTION
<b>0401-00556</b>	Power Adapter Kit, 12V/1.5A
<b>F1DN002R</b>	Advanced secure LCD Desktop Controller for SKVM
<b>F1D006</b>	Mounting Bracket for F1DN102KVM-UN-3, F1DN202KVM-UN-3, F1DN104KVM-UN-3, F1DN104B, F1DN104C, F1DN104P, F1DN104K or F1DN204M
<b>F1D008</b>	Mounting Bracket for F1DN204KVM-UN-3, F1DN104E, F1DN104F, F1DN104W or F1DN104Q
<b>F1DN005U</b>	USB Smart Card/CAC Reader
<b>8300-00765</b>	Permanent CAC Cover Kit (Available only when installed on F1DN104KVM-UNN3, F1DN204KVM-UNN3 at the factory)
<b>8300-00767</b>	Permanent CAC Cover Kit (Available only when installed on F1DN102KVM-UNN3, F1DN202KVM-UNN3 at the factory)

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