

Universal DisplayPort Secure KVM Series

Secure. Certified. Connected.



Universal DisplayPort Secure KVM Series is available in three configurations: with CAC, without CAC and with CAC and USB-C. All are fully compatible with DisplayPort connections supporting resolutions of UHD 4K@60Hz. To further enhance security, the Belkin SKVM limits input/output ports to prevent unauthorized use.

Optical data diodes on all USB connections ensure unidirectional data flow of HID filtered information. 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. CAC models are equipped with CAC freeze to allow a user to lock CAC on a given channel while using another channel for keyboard, mouse and video.

Models without CAC are designed for secure environments that require flexibility. Although it's likely that a CAC port will be required, some government bids may require this non-CAC variant.

The third configuration includes a USB-C host port. The USB-C connection option is ideal for laptop users who can connect one cable from their laptop or desktop to the KVM instead of using a dock.

Customizable port coloring and naming on the front panel of the Universal DisplayPort SKVM Series facilitates channel identification. This further enhances situational awareness and reduces operator

errors. To enable rapid deployment and administrator efficiencies, Belkin's SKVM series includes preprogrammed colors.

The same capability is replicated on the Remote Control with Integrated Keyboard for the ultimate in user experience. Using configurable channel designator lighting, the front panel and remote control provide visual indication as to the security enclave the operator is working on, eliminating potential user errors. Unique mechanical design accommodates desktop mounting to further declutter the desk and enhance ergonomics and efficiency.

Our SKVMs are designed for the latest Common Criteria and NIAP cybersecurity standard: NIAP Protection Profile for Peripheral Sharing Devices 4.0. As a comprehensive SKVM, the Belkin SKVM is further compliant to the Keyboard/Mouse Devices module version 1.0, Video/Display Devices module version 1.0, and User Authentication Devices module version 1.0. NIAP PP PSD 4.0 adds to the strict signal isolation requirements of NIAP PP PSS 3.0 and defines the latest standard for military-grade cybersecurity.



All Belkin SKVMs are designed and assembled in the United States. Each unit is assembled with an always-on, battery-backed, active anti-tamper mechanism that will immediately render the unit permanently inoperable in the event of a breach. Shipped in unique tear-away packaging, the units are designed to be tamper-proof from the factory to delivery at the end site. U.S.-based technical support, free advanced replacements and a standard 3-year warranty with options for up to 5 years of coverage provide unsurpassed customer support.

The Belkin SKVMs offer an uncompromising solution against today's cyber threats for mission-critical applications in government, military, finance, healthcare, energy and any sector requiring guaranteed isolation between systems at the operator's desk.

Key features and benefits

- Designed for use on government and military networks configured to meet NIAP Protection Profile PSD 4.0, TAA and Common Criteria
- Situational awareness: Convenient preconfigured port coloring to ensure front panel facilitates channel identification, reducing operator errors
- Choose from three configurations:
 1. **SKVM with CAC:** Dedicated CAC input ports consolidate the number of CAC readers so a single reader can be shared across all connected systems
 2. **SKVM without CAC:** Variant designed for secure environments requiring non-CAC connection
 3. **Future-proof with USB-C host port:** Seamlessly connect USB-C devices directly to the SKVM, bypassing docks and other software-managed peripherals
- Innovations for optimal user experience: Compatible with Belkin desktop keyboards, remotes, select mounts, docks, extenders and receivers, delivering the ultimate solution for decluttering the desk while enhancing the operator's awareness of the security domain they're working in.
- True data path isolation: Optical data diodes assure data can only flow from device to host
- Tamper-proof system: Always-on, battery-backed, active anti-tamper circuit protects the unit from a breach while in transit and after deployment
- TAA-compliant: Assembled in the USA; U.S.-based technical support; secure packaging ensures integrity from factory to user site

Choose the model that suits you best.

Designed for NIAP Protection Profile PSD 4.0 compliance.

CAC Models



F1DN102KVM-DC-4

**Universal DisplayPort Secure KVM Switch,
2-Port Single Head w/ CAC**



F1DN202KVM-DC-4

**Universal DisplayPort Secure KVM Switch,
2-Port Dual Head w/ CAC**



F1DN104KVM-DC-4

**Universal DisplayPort Secure KVM Switch,
4-Port Single Head w/ CAC**



F1DN204KVM-DC-4

**Universal DisplayPort Secure KVM Switch,
4-Port Dual Head w/ CAC**



F1DN108KVM-DC-4

**Universal DisplayPort Secure KVM Switch,
8-Port Single Head w/ CAC**



F1DN208KVM-DC-4

**Universal DisplayPort Secure KVM Switch,
8-Port Dual Head w/ CAC**

Non-CAC Models



F1DN102KVM-D-4

**Universal DisplayPort Secure KVM Switch,
2-Port Single Head without CAC**

*Reference base SKU F1DN102KVM-DC-4 for NIAP compliance



F1DN202KVM-D-4

**Universal DisplayPort Secure KVM Switch,
2-Port Dual Head without CAC**

*Reference base SKU F1DN202KVM-DC-4 for NIAP compliance



F1DN104KVM-D-4

**Universal DisplayPort Secure KVM Switch,
4-Port Single Head without CAC**

*Reference base SKU F1DN104KVM-DC-4 for NIAP compliance



F1DN204KVM-D-4

**Universal DisplayPort Secure KVM Switch,
4-Port Dual Head without CAC**

*Reference base SKU F1DN204KVM-DC-4 for NIAP compliance

CAC and USB-C Models



F1DN104KVMDCU-4

**Universal DisplayPort Secure KVM Switch,
4-Port Single Head, w/ CAC and USB-C**

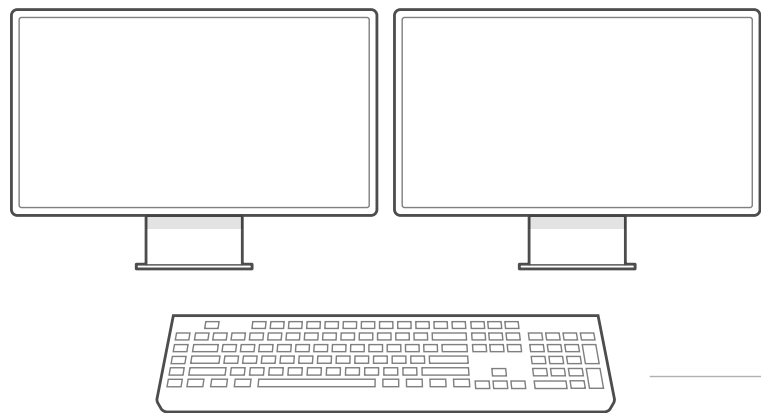


F1DN204KVMDCU-4

**Universal DisplayPort Secure KVM Switch,
4-Port Dual Head, w/ CAC and USB-C**

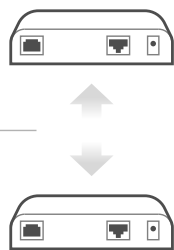
Use Case

Desktop



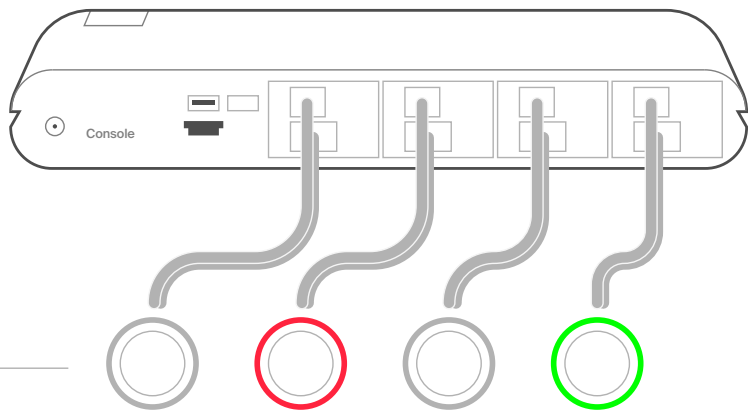
Remote Control
with Integrated Keyboard

Up to 328 ft. (100m) CAT6*
Up to 984 ft. (300m) MM SFP**
Up to 6.21 mi. (10km) SM SFP**



Extender Receiver

Extender Transmitter



Secure KVM

Network Source

*Depends on the type and quality of CATx cable.

**Depends on the Gigabit Interface Converter (GBIC) type.

Universal DisplayPort SKVMs

Universal DisplayPort SKVM						
Part Number	F1DN102KVM-DC-4 (W/CAC)	F1DN102KVM-D-4	F1DN202KVM-DC-4 (W/CAC)	F1DN202KVM-D-4	F1DN104KVM-DC-4 (W/CAC)	F1DN104KVM-D-4
No. of Computers	2	2	2	2	4	4
No. of Displays	1	1	2	2	1	1
CAC Freeze	Yes	No	Yes	No	Yes	No
Front Panel Illumination / Multi Color	Yes - Port 1: Green; Port 2: Red				Yes - Port 1: Green; Port 2: White; Port 3: Red; Port 4: White	
Belkin Remote Control with Integrated Keyboard Compatible	Yes					
Console Ports (Devices)						
Console Mouse and Keyboard Ports	USB Type-A female connector (1 designated port for mouse and 1 designated port for keyboard) with status indicator lights					
Console Audio	Digital audio supported via DisplayPort connection on compatible monitor(s). Refer to monitor manufacturer's manual to confirm compatibility.					
Console Remote Control Port	RJ14 female					
Console CAC/DPP Port	USB Type-A female connector					
Console Video Port	DisplayPort connector					
Max Resolution Supported	3840 x 2160 pixels (UHD 4K)@ 60Hz					
Computer Ports						
Computer Audio	Digital audio supported via DisplayPort connection on compatible monitor(s). Refer to computer manufacturer's manual to confirm compatibility.					
Computer Keyboard/Mouse Port	USB Type-B					
Computer Video Port	DisplayPort connector; USB-C for USB-C models					
Physical						
Dimensions	12.6 (W) x 6.17 (D) x 2.64 (H) in. / 320.0 (W) x 156.8 (D) x 67.1 (H) mm		12.6 (W) x 6.17 (D) x 2.64 (H) in. / 320.0 (W) x 156.8 (D) x 67.1 (H) mm		12.6 (W) x 6.17 (D) x 2.64 (H) in. / 320.0 (W) x 156.8 (D) x 67.1 (H) mm	
Weight	4.93 lbs. (2.24kg.)		5.37 lbs. (2.44kg.)		5.16 lbs. (2.34kg.)	
Power						
Power Requirements	12VDC, 2.5A					
AC Input	100-240VAC					
Power Type	External with WW mains connectors					
Environmental						
Operating Temperature	32° to 104° F (0° to 40° C) for video and USB					
Storage Temperature	-4° to 140° F (-20° to 60° C)					
Humidity Storage and Use	0-80% RH, non-condensing					
Certification						
Security Accreditation	NIAP Protection Profile PSD Ver. 4.0, Audio Input v 1.0., Keyboard/Mouse 1.0., Video/DSplay v 1.0, User Authentication (by model); TEMPEST variants available via an SDIP-55, NATO accredited TEMPEST test facility.					
Regulatory Compliance	FCC Class A, CE, UL, ICES, RCM, RoHS, UKCA					
General Information						
Made in	Designed in California. Assembled in USA with USA-based technical support (TAA compliant).					
Product Life Cycle	5 years					
Warranty	3 years standard (upgradeable to 4 or 5 years)					
Enclosure	Formed steel					

Universal DisplayPort SKVMs

Universal DisplayPort SKVM						
Part Number	F1DN104KVMDCU-4 (W/CAC)	F1DN204KVM-DC-4 (W/CAC)	F1DN204KVM-D-4	F1DN204KVMDCU-4 (W/CAC)	F1DN108KVM-DC-4 (W/CAC)	F1DN208KVM-DC-4 (W/CAC)
No. of Computers	4	4	4	4	8	8
No. of Displays	1	2	2	2	1	2
CAC Freeze	Yes	Yes	No	Yes	Yes	Yes
Front Panel Illumination / Multi Color					Yes - Port 1: Green; Port 2: White; Port 3: Red; Ports 4-8: White	
Belkin Remote Control with Integrated Keyboard Compatible						
Console Ports (Devices)						
Console Mouse and Keyboard Ports						
Console Audio						
Console Remote Control Port						
Console CAC/DPP Port						
Console Video Port						
Max Resolution Sup-ported						
Computer Ports						
Computer Audio						
Computer Keyboard/ Mouse Port						
Computer Video Port						
Physical						
Dimensions	12.6 (W) x 6.17 (D) x 2.64 (H) in. / 320.0 (W) x 156.8 (D) x 671 (H) mm				17.2 (W) x 1.79 (H) x 8.12 (D) in. / 436.8 (W) x 45.5 (H) x 206.2 (D) mm	17.2 (W) x 3.5 (H) x 8.12 (D) in. / 436.8 (W) x 88.9 (H) x 206.2 (D) mm
Weight	5.42 lbs. (2.46kg.)				9.5 lbs. (4.22kg.)	11.7 lbs. (5.31kg.)
Power						
Power Requirements					12V, 4.0A DC	
AC Input						
Power Type					Internal with WW mains connectors on power cord	
Environmental						
Operating Temperature						
Storage Temperature						
Humidity Storage and Use						
Certification						
Security Accreditation						
Regulatory Compliance						
General Information						
Made in						
Product Life Cycle						
Warranty						
Enclosure						

Accessories

Universal DisplayPort SKVM Accessories				
FIDN008KBD	FIDN-MOD-REM2	FIDN-MOD-REM4	FIDN-MOD-REM8	FIDN-MOD-REXT-4
SKVM Remote Control w/Integrated Keyboard	SKVM/SKM Remote Control, 2-Port	SKVM/SKM Remote Control, 4-Port	SKVM/SKM Remote Control, 8-Port	Remote Control Extension Cable, 4 ft. (1.2m)
FIDN-KVM-REM2	FIDN-KVM-REM4	FIDN-KVM-REM8	FIDN005U	FIDN008U
Universal SKVM/SKM Remote Control, 2-Port	Universal SKVM/SKM Remote Control, 4-Port	Universal SKVM/SKM Remote Control, 8-Port	CAC Reader	CAC Reader
FIDN-KVM-EXTC6	FIDN-KVM-EXRC6	FIDN-KVM-EXTC6X	FIDN-KVM-EXRC6X	FIDN-KVM-EXTFI
KVM Host Side CAT6 Extender - Universal Video	KVM Console Side CAT6 Extender - Universal Video	KVM Host Side CAT6 Extender - Universal Video	KVM Console Side CAT6 Extender - Universal Video	KVM Host Side Fiber Extender - Universal Video
FIDN-KVM-EXRFI	FIDN-USB-XTRC	FIDN-WSMOUNT	8100-00297	8100-00279
KVM Console Side Fiber Extender - Universal Video	Extender Copper CAT6 USB Transmitter and Receiver	Work Surface Mount for SKVM/SKM	Rackmount Ears for Single/Dual Head 8-Port & Single Head 16-Port SKVM	Rackmount Ears for Single Head 8-Port SKVM

Universal DisplayPort SKVM Replacement Parts				
0401-00853				
Power Adapter Kit, 12V/2.5A with WW Mains Connector for Universal Series 2- & 4-Port SKVM				
6000-01356				
Power Cord Kit, WW Mains Connector for Universal Series 8- & 16-Port SKVM				

Learn more about Belkin cybersecurity solutions.



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