

# DisplayPort DuoClave Secure KVM Series

Secure. Certified. Connected.



DisplayPort DuoClave Secure KVM Series is designed for use in defense and intelligence installations requiring consolidated control between computers at different security enclaves. DuoClave Secure KVMs provide the stringent safeguards required by today's IA (Information Assurance) computing requirements.

Traditional SKVMs allow access to one network at a time from one or two monitors. Our DuoClave SKVM Series enables secure management of two networks simultaneously from two independent displays. DuoClave optimizes interaction and surveillance of two active networks at the same time.

Users can securely switch between four or eight computer sources while simultaneously viewing two networks on different displays. Belkin's DisplayPort DuoClave SKVM Series securely switches between sources via Key Press Seamless Cursor Switching (KPSCS). Deliberate enclave switching with KPSCS will transition the keyboard and mouse control from one channel to the next when the mouse cursor crosses a display border onto the adjacent display, while the user holds down the Control key. The user may also use the front panel buttons or optional remote controls to switch between channels.

DuoClave SKVM is ideal for data-intensive applications where information from multiple secure sources must be managed and viewed simultaneously. Those who will benefit include analysts and operators in defense and intelligence, banking and trading, security operations centers (SOCs) or network operations centers (NOCs). Additionally,

other command and control environments will gain immediately and immensely from seamless switching with cursor movement.

DuoClave SKVMs are designed for systems using high-performance DisplayPort graphic outputs as well as monitor inputs. The platform is fully compatible with DisplayPort connections supporting resolutions of UHD 4K@60Hz. The DisplayPort connection also offers a digital audio signal, reducing the need for an additional cable. To further enhance security, the Belkin SKVM limits input/output ports to prevent unauthorized use, and a formed steel housing offers a rigid structure for demanding military applications.

Customizable port coloring and naming on the front panel of the Belkin SKVM facilitates channel identification, optimizes situational awareness and reduces operator errors. To enable rapid deployment and administrator efficiencies, Belkin's SKVM series includes preconfigured colors: for 4- & 8-port SKVMs, port 1 is green, port 2 is white, port 3 is red and all others are white. The color pattern is changeable and there is a palette of nine colors to choose from.



Belkin SKVMs are designed for the latest Common Criteria and NIAP cybersecurity standard: NIAP Protection Profile for Peripheral Sharing Devices 4.0 and they are TAA compliant. The SKVMs are further compliant to the Keyboard/Mouse Devices module version 1.0, Video/Display Devices module version 1.0, Audio Output Devices module 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.

Further, 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. Using a unique front-panel mode, all 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.

Designed for the ultimate in user experience, Belkin DisplayPort DuoClave SKVMs are compatible with the optional Belkin SKVM Remote Control series including our 4- and 8-port variants. 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. Mounting options further declutter the desk and enhance ergonomics and efficiency. A desktop mount is available for the 4-port model, and rackmount ears are available for the 8-port model.

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.

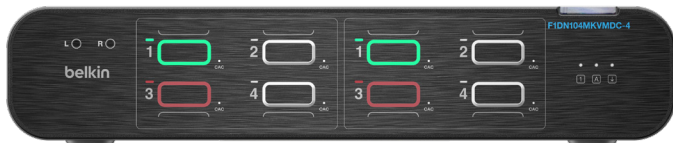
Belkin SKVMs represent a no-compromise solution against today's cyber threats for mission-critical applications in government, military, financial, healthcare, energy and any application seeking guaranteed isolation between systems at the operator's desk.

### Key features and benefits

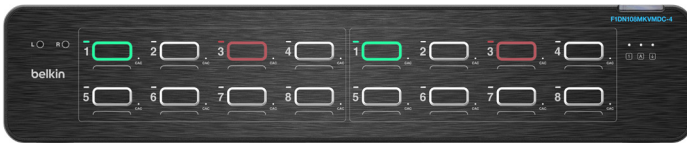
- Designed for use on government and military networks configured to meet NIAP Protection Profile PSD 4.0
- Securely multitask: Efficiently manage and view two active networks simultaneously from two displays
- Situational awareness: Convenient preconfigured port coloring ensures front panel facilitates channel identification, reducing operator errors (for 4- and 8-port SKVMs, port 1 is green, port 2 is white, port 3 is red and all others are white)
- Key Press Seamless Cursor Switching (KPSCS): Keyboard control follows mouse as cursor crosses one physical display to the other with a keyboard key held down
- Lag-free, real-time switching: Hardware-based solution eliminates keyboard and mouse delay when switching between ports, offering a fluid and intuitive user experience
- True data path isolation: Optical data diodes assure data can only flow from device to host
- Innovations for optimal user experience: Compatible with the optional Belkin SKVM Remote Control series including our 4- and 8-port variants, delivering the ultimate solution for decluttering the desk while enhancing the operator's awareness of the security domain they're working in
- 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 while offering 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.



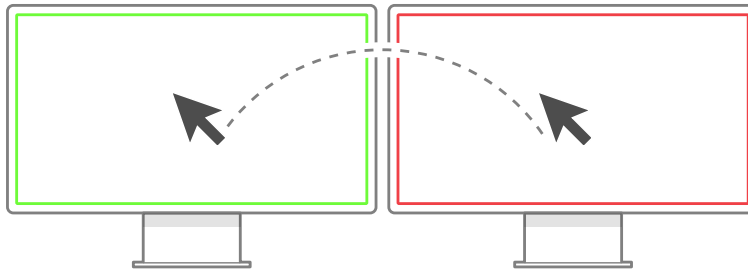
F1DN104MKVMDC-4  
**4:2 DisplayPort DuoClave Secure KVM Switch, CAC**



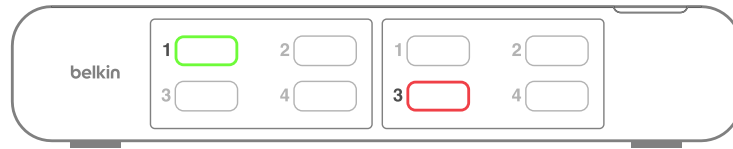
F1DN108MKVMDC-4  
**8:2 DisplayPort DuoClave Secure KVM Switch, CAC**

# Use Case

Monitor



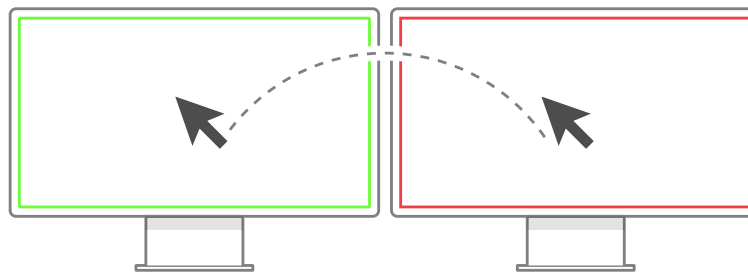
DuoClave



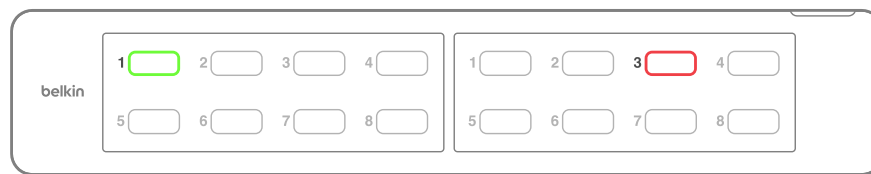
Network Source



Monitor



DuoClave



Network Source



## DisplayPort DuoClave Secure KVM Series

DisplayPort DuoClave SKVM		
Part Number	FIDN104MKVMDC-4	FIDN108MKVMDC-4
No. of Computers	4	8
No. of Displays	Up to 2	Up to 2
CAC Freeze	Yes	Yes
Front Panel Illumination / Multi Color	Yes - Port 1: Green; Port 2: White; Port 3: Red; Port 4: White	Yes - Port 1: Green; Port 2: White; Port 3: Red; Ports 4-8: White
<b>Console Ports (Devices)</b>		
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 Jack	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	
<b>Computer Ports</b>		
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	
<b>Physical</b>		
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	17.2 (W) x 1.6 (H) x 8.1 (D) in. / 436.9 (W) x 40.6 (H) x 205.7 (D) mm
Weight	5.6 lbs. (2.54kg.)	11.7 lbs. (5.31kg.)
<b>Power</b>		
Power Requirements	12VDC, 2.5A	12V, 4.0A DC
AC Input	100-240VAC	
Power Type	External with WW mains connectors	Internal with WW mains connectors on power cord
<b>Environmental</b>		
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	
<b>Certification</b>		
Security Accreditation	NIAP Protection Profile PSD Ver. 4.0, Audio Input v 1.0., Keyboard/Mouse 1.0., Video/Display 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	
<b>General Information</b>		
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	

## Cables

Single-Output PC					
SKVM PC Connection Combo	DP to DP	DP to DP	mDP to DP	mDP to DP	USB-C to DP
Part Number	FID9019b06t	FID9019b10t	FIDN1CCBL-MP6t	FIDN1CCBL-MP10t	FIDN1CCBL-CPN6t
Description	TAA DP/USB/AUD SKVM cable, DP M/M; USB A/B, 6 ft. (1.8m)	TAA DP/USB/AUD SKVM cable, DP M/M; USB A/B, 10 ft. (3m)	TAA MDP to DP/USB/AUD Cable, VID M/M; USB A/B, 6 ft. (1.8m)	TAA MDP to DP/USB/AUD Cable, DP M/MDP M; USB A/B, 10 ft. (3m)	TAA Dock USB-C to DP/USB-B Cables w/RJ45/Power, 9 ft. (2.7m)
Dual-Output PC					
SKVM PC Connection Combo	DP to DP	DP to DP	mDP to DP	mDP to DP	USB-C to DP
Part Number	FID9020b06t	FID9020b10t	FIDN2CCBL-MP6t	FIDN2CCBL-MP10t	FIDN2CCBL-CPN6t
Description	TAA Dual DP/USB/AUD SKVM Cable, DP M/M; USB A/B, 6 ft. (1.8m)	TAA Dual DP/USB/AUD SKVM Cable, DP M/M; USB-A/-B, 10 ft. (3m)	TAA (2) MDP to DP/USB/AUD Cable, VID M/M; USB-A/-B, 6 ft. (1.8m)	TAA (2) MDP to DP/USB/AUD Cable, VID M/M; USB-A/-B, 10 ft. (3m)	TAA Dock USB-C to (2) DP/USB-B Cables w/ RJ45/power, 9 ft. (2.7m)
Video Cables					
SKVM to Monitor Video Cables	DP to DP	DP to DP	DP to DP	DP to HDMI	DP to HDMI
Part Number	FIDN1VCBL-PP6t	FIDN1VCBL-PP10t	FIDN1VCBLF-PP6t	FIDN1VCBL-PH6t	FIDN1VCBL-PH10t
Description	TAA DP/DP Video Cable, DP M/M; 6 ft. (1.8m)	TAA DP/DP Video Cable, DP M/M; 10 ft. (3m)	TAA DP/DP SKVM FERRITE CBL, DP M/M; 6 ft. (1.8m)	TAA DP/HDMI SKVM VIDEO CBL, DP M/HDMI M; 6 ft. (1.8m)	TAA DP/HDMI SKVM VIDEO CBL, DP M/HDMI M; 10 ft. (3m)
SKVM to Monitor Video Cables	mDP to DP	mDP to DP	HDMI to HDMI	HDMI to HDMI	HDMI to HDMI
Part Number	FIDN1VCBL-MP6t	FIDN1VCBL-MP10t	FIDN1VCBL-HH6t	FIDN1VCBL-HH10t	FIDN1VCBLF-HH6t
Description	TAA MDP/DP Video Cable, mDP M/DP M; 6 ft. (1.8m)	TAA MDP/DP Video Cable, mDP M/DP M; 10 ft. (3m)	TAA HDMI/HDMI SKVM Video Cable, HDMI M/M; 6 ft. (1.8m)	TAA HDMI/HDMI SKVM Video Cable, HDMI M/M; 10 ft. (3m)	TAA HDMI/HDMI SKVM FERRITE CBL, HDMI M/M; 6 ft. (1.8m)
Accessory Cables					
Other Cables/Adapters	CAC	CAC	USB/Audio	USB/Audio	USB/Audio
Part Number	FID9013b06t	FID9013b10t	FID9022b06t	FID9022b10t	FIDN1USBF-6t
Description	TAA USB-A to USB-B Cable for CAC Reader, 6 ft. (1.8m)	TAA USB-A to USB-B Cable for CAC Reader, 10 ft. (3m)	TAA USB Keyboard/Mouse/Audio Combo Cable, 6 ft. (1.8m)	TAA USB Keyboard/Mouse/Audio Combo Cable, 10 ft. (3m)	TAA USB A/B SKVM FERRITE CABLE, 6 ft. (1.8m)
Other Cables/Adapters			RS232 to Mini-USB	HDMI to DP Adapter	DP to HDMI
Part Number			FIDN-KVM-REMADP	FIDN1VADP-HP	FIDN1VADP-PH
Description			RS232-TO-MINI USB MOD ADAPTER FOR COLOR REMOTES	TAA HDMI/DP VIDEO ADAPTER, M/F	TAA DP/HDMI VIDEO ADAPTER, M/F
Other Cables/Adapters	HDMI to HDMI	HDMI to DP	DP to DP	DP to HDMI	
Part Number	FIDN1MISO-HH	FIDN1MISO-HP	FIDN1MISO-PP	FIDN1MISO-PH	
Description	TAA HDMI/HDMI MINI VIDEO ISOLATOR, M/F	TAA HDMI/DP MINI VIDEO ISOLATOR, M/F	TAA DP/DP MINI VIDEO ISOLATOR, M/F	TAA DP/HDMI MINI VIDEO ISOLATOR, M/F	

## Accessories

DisplayPort DuoClave SKVM Accessories				
FIDN-KVM-REM4	FIDN-KVM-REM8	FIDN-KVM-REM4DC	FIDN-KVM-REM8DC	FIDN005U
Universal SKVM/SKM Remote Control, 4-Port	Universal SKVM/SKM Remote Control, 8-Port	DuoClave SKVM Remote Control, 4-Port	DuoClave SKVM Remote Control, 8-Port	CAC Reader
FIDN008U	FIDN-KVM-EXTC6	FIDN-KVM-EXRC6	FIDN-KVM-EXTC6X	FIDN-KVM-EXRC6X
CAC Reader	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
FIDN-KVM-EXTFI	FIDN-KVM-EXRFI	FIDN-USB-XTRC	FIDN-WSMOUNT	8100-00297
KVM Host Side Fiber Extender - Universal Video	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

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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