

Belkin Universal 2nd Gen Secure KVM Switch.

Secure. Certified. Connected.



Belkin Universal 2nd Gen 8-/16-Port Secure KVM Switch.

Utilizing an innovative display connection technology and a set of passive cables, the Belkin Universal 2nd Gen SKVM Switch can simultaneously accommodate legacy DVI-D input/output as well as modern, high-resolution HDMI® and DisplayPort™ input/outputs on the same SKVM. The pioneering connector design and internal video conversion allows the same SKVM to be used for legacy systems and accommodates anticipated technology changes over time, ensuring today's investment is not rendered obsolete as underlying systems get upgraded.

The Belkin Universal 2nd Gen SKVM is the ideal solution for systems using high-performance DisplayPort graphics outputs as well as monitor inputs. The platform is fully compatible with DisplayPort and HDMI connections supporting resolutions of UHD 4K @60Hz. The platform's flexibility also allows support for standard definition and HD resolutions supported by DVI-D without the need for unreliable and costly external converters. The platform is truly plug and play now and into the future.

The Belkin Universal 2nd Gen 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 Universal 2nd Gen SKVM is further compliant to the Audio Input Devices module version 1.0, Keyboard/Mouse

Key features and benefits:

- **Designed for Use on Government and Military Networks**
Configured to meet NIAP Protection Profile PSD 4.0.
- **TAA Compliant**
Assembled in the USA, US-based technical support, secure packaging ensures integrity from factory to user site.
- **Tamper-Proof System**
Advanced Universal 2nd Gen SKVMs include an always-on, battery-backed, active anti-tamper circuit that protects the unit while in transit and after deployment.
- **Supports DisplayPort, HDMI and DVI-D via Passive Cabling**
Belkin 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 prevent data leakages between different security enclaves.
- **Innovations for Optimum User Experience**
Compatible with the Belkin SKVM Remote with Integrated USB Keyboard, the Universal 2nd Gen SKVMs deliver the ultimate solution for decluttering the desk while enhancing the operator's awareness of the security domain they are working in.

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 Audio and CAC freeze to allow a user to lock CAC and/or Audio on a given channel while using another channel for keyboard, mouse and video. The same capability is replicated on the Belkin SKVM Remote Control with Integrated Keyboard.

Designed for the ultimate in user experience, the Belkin Universal 2nd Gen SKVMs are compatible with the optional Belkin SKVM Remote Control with Integrated Keyboard. Using configurable channel designator lighting, the front panel and remote control provide visual indication of the security enclave the operator is working on, eliminating potential user errors. Unique mechanical design accommodates desktop or under-

desk mounting with an optional bracket to further declutter the desk and enhance ergonomics and efficiency.

All Universal 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. US-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 Universal 2nd Gen 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.

Designed for NIAP Protection Profile PSD Ver 4.0 Compliance

Choose the model that suits you best.

Universal 2nd Gen SKVM Switch Front and Rear Panels



F1DN108KVM-UN-4

Single-Head, 8-port KVM, with Audio Freeze and CAC port.



F1DN208KVM-UN-4

Dual-Head, 8-port KVM, with Audio Freeze and CAC port.



F1DN116KVM-UN-4

Single-Head, 16-port KVM, with Audio Freeze and CAC port.

Belkin Universal 2nd Gen Universal 8-/16-Port DP/HDMI SKVM Switch

Part Number	F1DN108KVM-UN-4	F1DN208KVM-UN-4	F1DN116KVM-UN-4
No. of Computers	8	8	16
No. of Displays	1	2	1
Max Resolutions Supported	3840 x 2160 pixels (UHD 4K) @ 60Hz		
Console Ports (Devices)			
Console Mouse and Keyboard Ports	USB Type-A female connector (1 designated port for mouse and 1 designated port for keyboard)		
Console Display Ports	1x DP 1.2 port or HDMI 2.0 port via combo connector	2x DP 1.2 port or HDMI 2.0 port via combo connector	1x DP 1.2 port or HDMI 2.0 port via combo connector
Console Audio Jack	1/8" (3.5mm) female, Controlled by Audio freeze		
Console CAC Input	USB Type-A, Controlled by CAC freeze		
Remote Control Port	RJ14		
Computer Ports			
Computer Display Ports	8x DP 1.2 port or HDMI 2.0 ports via combo connector	16x DP 1.2 port or HDMI 2.0 ports via combo connector	16x DP 1.2 port or HDMI 2.0 ports via combo connector
Computer Audio Jack	1/8" (3.5mm) female, Controlled by Audio freeze		
Computer Keyboard/Mouse Ports	USB Type-B		
Computer CAC Ports	USB Type-B, Controlled by CAC freeze		
Physical			
Dimensions	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
Weight	9.8 lbs. (4.4kg.)	13.07 lbs. (5.9kg.)	13.76 lbs. (6.24kg.)
Power			
Power Requirements	100-240VAC, 0.9A Max, 50/60Hz		
AC Input	100 to 240VAC		
Power Type	Internal with worldwide interchangeable mains connectors for NA, EU, UK, ANZ included.		
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 Protection Profile PSD Ver. 4.0, Keyboard/Mouse v 1.0. TEMPEST variants available via an SDIP-55 NATO accredited TEMPEST test facility.		
Regulatory Compliance	FCC Class A, UL, CE, RoHS, ICES, RCM, UKCA, Mil-S-901 Shock Grade A, Class III, Type A (F1DN108KVM-UN-4).		
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		

Belkin Universal 2nd Gen SKVM Switch Recommended Cable Solutions

SKVM PC Connection Combo Cables	Single Output PC	Description
DP to DP	F1D9019b06t	TAA DP/USB/AUD SKVM Cable, DP M/M; USB A/B, 6 ft. (1.8m)
	F1D9019b10t	TAA DP/USB/AUD SKVM Cable, DP M/M; USB A/B, 10 ft. (3m)
mDP to DP	F1DN1CCBL-MP6t	TAA MDP to DP/USB/AUD Cable, VID M/M; USB A/B, 6 ft. (1.8m)
	F1DN1CCBL-MP10t	TAA MDP to DP/USB/AUD Cable, DP M/MDP M; USB A/B, 10 ft. (3m)
HDMI to HDMI	F1DN1CCBL-HH6t	TAA HDMI/USB/AUD Cable, HDMI M/M; USB A/B, 6 ft. (1.8m)
	F1DN1CCBL-HH10t	TAA HDMI/USB/AUD Cable, HDMI M/M; USB A/B, 10 ft. (3m)
DVI to HDMI	F1DN1CCBL-DH6t	TAA DVI to HDMI/USB/AUD Cable, VID M/M; USB A/B, 6 ft. (1.8m)
	F1DN1CCBL-DH10t	TAA DVI to HDMI/USB/AUD Cable, VID MM; USB A/B, 10 ft. (3m)
VGA to HDMI	F1DN1CCBL-VH-10	VGA to HDMI/USB/AUD Cable VGA/HDMI MM, USB A/B, 10 ft. (3m)
USB-C to DP	F1DN1CCBL-CPN6t	TAA Dock USB-C to DP/USB-B Cables w/RJ45/Power, 9 ft. (2.7m)

SKVM PC Connection Combo Cables	Dual Output PC	Description
DP to DP	F1D9020b06t	TAA Dual DP/USB/AUD SKVM Cable, DP M/M; USB A/B, 6 ft. (1.8m)
	F1D9020b10t	TAA Dual DP/USB/AUD SKVM Cable, DP M/M; USB A/B, 10 ft. (3m)
mDP to DP	F1DN2CCBL-MP6t	TAA (2) MDP to DP/USB/AUD Cable, VID M/M; USB A/B, 6 ft. (1.8m)
	F1DN2CCBL-MP10t	TAA (2) MDP to DP/USB/AUD Cable, VID M/M; USB A/B, 10 ft. (3m)
HDMI to HDMI and DP to DP	F1DN2CC-HHPP1t	TAA (1) HDMI-HDMI (1) DP-DP/USB/AU Cable, 1 ft. (0.3m)
	F1DN2CC-HHPP6t	TAA (1) HDMI-HDMI (1) DP-DP/USB/AU Cable, 6 ft. (1.8m)
	F1DN2CC-HHPP10t	TAA (1) HDMI-HDMI (1) DP-DP/USB/AU Cable, 10 ft. (3m)
DVI to HDMI and DP to DP	F1DN2CC-DHPP6t	TAA (1) DVI to HDMI (1) DP to DP/USB/AUD Cable, 6 ft. (1.8m)
	F1DN2CC-DHPP10t	TAA (1) DVI to HDMI (1) DP-DP/USB/AUD Cable, 6 ft. (1.8m)
HDMI to HDMI	F1DN2CCBL-HH6t	TAA Dual HDMI/USB/AUD Cable, HDMI M/M; USB A/B, 6 ft. (1.8m)
	F1DN2CCBL-HH10t	TAA Dual HDMI/USB/AUD Cable, HDMI M/M; USB A/B, 10 ft. (3m)
DVI to HDMI	F1DN2CCBL-DH6t	TAA (2) DVI to HDMI/USB/AUD Cable, VD MM; USB A/B, 6 ft. (1.8m)
	F1DN2CCBL-DH10t	TAA (2) DVI to HDMI/USB/AUD Cable, VD MM; USB A/B, 10 ft. (3m)
USB-C to DP	F1DN2CCBL-CPN6t	TAA Dock USB-C to (2) DP/USB-B Cables w/RJ45/Power, 9 ft. (2.7m)

SKVM Monitor or Video Only Cables	Description	
DP to DP	F1DN1VCBL-PP6t	TAA DP/DP Video Cable, DP M/M; 6 ft. (1.8m)
	F1DN1VCBL-PP10t	TAA DP/DP Video Cable, DP M/M; 10 ft. (3m)
mDP to DP	F1DN1VCBL-MP6t	TAA MDP/DP Video Cable, mDP M/DP M; 6 ft. (1.8m)
	F1DN1VCBL-MP10t	TAA MDP/DP Video Cable, mDP M/DP M; 10 ft. (3m)
HDMI to HDMI	F1DN1VCBL-HH6t	TAA HDMI/HDMI SKVM Video Cable, HDMI M/M; 6 ft. (1.8m)
	F1DN1VCBL-HH10t	TAA HDMI/HDMI SKVM Video Cable, HDMI M/M; 10 ft. (3m)
DVI to HDMI	F1DN1VCBL-DH6t	TAA HDMI/DVI SKVM Video Cable, HDMI M/DVI M; 6 ft. (1.8m)
	F1DN1VCBL-DH10t	TAA HDMI/DVI SKVM Video Cable, HDMI M/DVI M; 10 ft. (3m)

Accessories

Part Number	Description
FID9013b06t	USB for CAC: TAA USB A to USB B Cable for CAC Reader, 6 ft. (1.8m)
FID9013b10t	USB for CAC: TAA USB A to USB B Cable for CAC Reader, 10 ft. (3m)
FID9022b06t	USB/Audio: TAA USB Keyboard/Mouse/Audio Combo Cable, 6 ft. (1.8m)
FID9022b10t	USB/Audio: TAA USB Keyboard/Mouse/Audio Combo Cable, 10 ft. (3m)
FIDN-DCUA8-UN-4	PP4.0 SKVM to DCU Adapter for 8-port
8100-00297 and 8100-00279	8100-00279 Replacement Rack Ears for FIDN108KVM-UN-4 8100-00297 for FIDN208KVM-UN-4 and FIDN116KVM-UN-4
FIDN003R	Advanced Secure LCD Desktop Controller (DCU) for 8 and 16-port SKVMs
FIDN005U	USB Smart Card/CAC Reader
FIDN008U	CAC Reader
FIDN008KBD	2-4-8 Port SKVM Remote Control w/Integrated Keyboard
FID9026-50	RJ25 Extension for DCU, 50 ft. (15.24m)
FIDN-MOD-REM8	SKVM/SKM Remote Control, 8 Port
FIDN-MOD-REXT-4	Remote Control Extension Cable, 4 ft. (1.2m)

Learn more about Belkin's cybersecurity solutions.



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