F1DN108KVM-UN-4   **F1DN208KVM-UN-4**   **F1DN116KVM-UN-4**

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

Utilizing an innovative display connection technology and a set of passive cables, the Belkin NIAP PP4.0 certified Universal 2nd Gen Secure KVM 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 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 Universal 2nd Gen Secure 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 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 Secure KVMs are certified to the latest Common Criteria and NIAP cyber security standard, NIAP Protection Profile for Peripheral Sharing Devices 4.0. As a comprehensive secure KVM, the Belkin Universal 2nd Gen SKVM is further certified to the Audio Input Devices module version 1.0, 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 PSS3.0 and defines the latest standard for military-grade

NIAP Certified

CERTIFIED FOR COMMON CRITERIA AND NIAP PROFILE PSD 4.0

cyber security. 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. On all models, 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 KVM remote control with integrated keyboard.

Designed for the ultimate in user experience, the Belkin Universal 2nd Gen Secure KVMs are compatible with the optional Belkin KVM Remote Control with Integrated Keyboard. Using configurable channel designator lighting, the front panel and remote control lighting provide visual indication as to 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.

Secure | Certified | Connected

All Universal Belkin Secure KVMs 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, advance

replacements, a standard 3-year warranty with options for up to 5 years of coverage provide unsurpassed customer support. The Belkin Universal Secure KVM represents 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.

Universal 2nd Gen KVM Front and Rear Panels

F1DN108KVM-UN-4

F1DN208KVM-UN-4

F1DN116KVM-UN-4

Key Features & Benefits

- **Certified for Use on Government and Military Networks**
  Certified for Common Criteria and NIAP Profile PSD 4.0

- **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**.

- **Innovations for Optimum User Experience**
  Compatible with the Belkin KVM Remote with Integrated USB Keyboard, the universal 2nd gen Secure KVMs deliver the ultimate solution for decluttering the desk while enhancing the operator's awareness as to the security domain they are working in.

Models
Choose the model that suits you best.

- **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 Secure 8/16-Port KVM 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	1 x DP 1.2 port or HDMI 2.0 port via combo connector	2 x DP 1.2 port or HDMI 2.0 port via combo connector	1 x 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	8 x DP 1.2 port or HDMI 2.0 ports via combo connector	16 x DP 1.2 port or HDMI 2.0 ports via combo connector	16 x 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. (4.4 kg.)	13.07 lbs. (5.9 kg.)	13.76 lbs. (6.24 kg.)
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	Common Criteria and NIAP Protection Profile PSD Ver. 4.0, Audio Input v 1.0. Keyboard/Mouse v 1.0. Video/Display v 1.0, User Authentication 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.		

Secure | Certified | Connected

Recommended Cable Solutions

KVM PC CONNECTION COMBO CABLES	SINGLE OUTPUT PC	DESCRIPTION
DP to DP	F1D9019b06t F1D9019b10t	TAA DP/USB/AUD SKVM CBL, DP M/M; USB A/B, 6' TAA DP/USB/AUD SKVM CBL, DP M/M; USB A/B, 10'
mDP to DP	F1DN1CCBL-MP6t F1DN1CCBL-MP10t	TAA MDP to DP/USB/AUD CBL, VID M/M; USB A/B, 6' TAA MDP to DP/USB/AUD CBL, DP M/MDP M; USB A/B,10'
HDMI to HDMI	F1DN1CCBL-HH6t F1DN1CCBL-HH10t	TAA HDMI/USB/AUD CBL,HDMI M/M; USB A/B, 6' TAA HDMI/USB/AUD CBL,HDMI M/M; USB A/B, 10'
DVI to HDMI	F1DN1CCBL-DH6t F1DN1CCBL-DH10t	TAA DVI to HDMI/USB/AUD CBL, VID M/M; USB A/B, 6' TAA DVI to HDMI/USB/AUD CBL, VID MM; USB A/B, 10'
USB-C to DP	F1DN1CCBL-CP6t F1DN-NETPWR	TAA USB-C to DP/USB/AUD CBL VID M; USB B, 6" TAA USB-C DEVICE ETHERNET NETWORK AND CHARGING ADAPTER
VGA to HDMI	F1DN1CCBL-VH-10	VGA to HDMI/USB/AUD CBL VGA/HDMI MM, USB A/B, 10'

KVM PC CONNECTION COMBO CABLES	DUAL OUTPUT PC	DESCRIPTION
DP to DP	F1D9020b06t F1D9020b10t	TAA DUAL DP/USB/AUD SKVM CBL, DP M/M; USB A/B, 6' TAA DUAL DP/USB/AUD SKVM CBL, DP M/M; USB A/B, 10'
mDP to DP	F1DN2CCBL-MP6t F1DN2CCBL-MP10t	TAA 2 MDP to DP/USB/AUD CBL, VID M/M; USB A/B, 6' TAA 2 MDP to DP/USB/AUD CBL, VID M/M; USB A/B, 10'
HDMI to HDMI and DP to DP	F1DN2CC-HHPP6t F1DN2CC-HHPP10t	TAA (1) HDMI-HDMI (1) DP-DP/USB/AU CBL, 6' TAA (1) HDMI-HDMI (1) DP-DP/USB/AU CBL, 10'
DVI to HDMI and DP to DP	F1DN2CC-DHPP6t F1DN2CC-DHPP10t	TAA (1) DVI to HDMI (1) DP to DP/USB/AUD CBL, 6' TAA (1) DVI to HDMI (1) DP-DP/USB/AUD CBL, 6'
HDMI to HDMI	F1DN2CCBL-HH6t F1DN2CCBL-HH10t	TAA DUAL HDMI/USB/AUD CBL, HDMI M/M; USB A/B, 6' TAA DUAL HDMI/USB/AUD CBL, HDMI M/M; USB A/B, 10'
DVI to HDMI	F1DN2CCBL-DH6t F1DN2CCBL-DH10t	TAA 2 DVI to HDMI/USB/AUD CBL, VD MM; USB A/B, 6' TAA 2 DVI to HDMI/USB/AUD CBL, VD MM; USB A/B, 10'
USB-C to DP	F1DN2CCBL-CP6t F1DN-NETPWR	TAA USB-C to DUAL DP/USB/DEVICE PWR CBL VID M; USB B, 6' TAA USB-C NETWORK AND DEVICE POWER ADAPTER

KVM MONITOR OR VIDEO ONLY CABLES		DESCRIPTION
DP to DP	F1DN1VCBL-PP6t F1DN1VCBL-PP10t	TAA DP/DP VIDEO CBL, DP M/M; 6' TAA DP/DP VIDEO CBL, DP M/M; 10'
mDP to DP	F1DN1VCBL-MP6t F1DN1VCBL-MP10t	TAA MDP/DP VIDEO CBL, mDP M/DP M; 6' TAA MDP/DP VIDEO CBL, mDP M/DP M; 10'
HDMI to HDMI	F1DN1VCBL-HH6t F1DN1VCBL-HH10t	TAA HDMI/HDMI SKVM VIDEO CBL, HDMI M/M; 6' TAA HDMI/HDMI SKVM VIDEO CBL, HDMI M/M; 10'
DVI to HDMI	F1DN1VCBL-DH6t F1DN1VCBL-DH10t	TAA HDMI/DVI SKVM VIDEO CBL, HDMI M/DVI M; 6' TAA HDMI/DVI SKVM VIDEO CBL, HDMI M/DVI M; 10'

Accessories and Optional Service Items

PART NUMBER	DESCRIPTION
F1D9013b06t	USB for CAC: TAA USB A to USB B Cable for CAC Reader, 6'
F1D9013b10t	USB for CAC: TAA USB A to USB B Cable for CAC Reader, 10'
F1D9022b06t	USB/Audio: TAA USB Keyboard/Mouse/Audio Combo Cable, 6'
F1D9022b10t	USB/Audio: TAA USB Keyboard/Mouse/Audio Combo Cable, 10'
F1DN-DCUAP-UN-4	Belkin PP4.0 SKVM to DCU Adapter
8000-00817 and 8000-00818	8000-00817 Replacement Rack Ears for F1DN108KVM-UN-4 | 8000-00818 for F1DN208KVM-UN-4 and F1DN116KVM-UN-4
F1DN003R	Advanced Secure LCD Desktop Controller (DCU) for 8 and 16-port SKVMs
F1DN005U	USB Smart Card/CAC Reader
F1DN008KBD	Belkin 2-4-8 Port Secure KVM Remote Control w/Integrated Keyboard
F1D9026-50	50' RJ25 Extension for DCU

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Contact

For additional product, pricing or general information:

For more information visit: belkin.com/uk/cybersecurity