



F1DN102KVM-UN-4



F1DN202KVM-UN-4



F1DN104KVM-UN-4



F1DN204KVM-UN-4

# BELKIN UNIVERSAL 2ND GEN SECURE KVM SWITCH

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## Belkin Universal 2nd Gen Secure 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 cybersecurity 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 cybersecurity.



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## KEY FEATURES AND BENEFITS

- **Certified for Use on Government and Military Networks**  
Certified for 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.
- **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.
  - F1DN102KVM-UN-4  
Single-Head, 2-port KVM, with Audio Freeze & CAC port.
  - F1DN102KVM-UNN4  
Single-Head, 2-port KVM with audio.
  - F1DN202KVM-UN-4  
Dual-Head, 2-port KVM, with Audio Freeze & CAC port.
  - F1DN202KVM-UNN4  
Dual-Head, 2-port KVM with audio.
  - F1DN104KVM-UN-4  
Single-Head, 4-port KVM, with Audio Freeze & CAC port.
  - F1DN104KVM-UNN4  
Single-Head, 4-port KVM with audio.
  - F1DN204KVM-UN-4  
Dual-Head, 4-port KVM, with Audio Freeze & CAC port.
  - F1DN204KVM-UNN4  
Single-Head, 4-port KVM with audio.



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 some 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 UN 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.

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, free advanced replacements, a standard 3-year warranty with options for up to 5 years of coverage provide unsurpassed customer support. The Universal 2nd Gen Secure KVMs 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.

**CERTIFIED TO NIAP  
PROTECTION PROFILE PSD VER 4.0**

### Universal 2nd Gen Secure KVM Switch Front and Rear Panels

#### Single Head



F1DN102KVM-UN-4



F1DN104KVM-UN-4



F1DN102KVM-UNN4



F1DN104KVM-UNN4



### Universal 2nd Gen Secure KVM Switch Front and Rear Panels

#### Dual Head



F1DN202KVM-UN-4



F1DN204KVM-UN-4



F1DN202KVM-UNN4



F1DN204KVM-UNN4

#### Mounting Options



F1D006



F1D008



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## Belkin Secure Universal 2nd Gen KVM Switch with Audio Freeze and CAC

PART NUMBER	F1DN102KVM-UN-4	F1DN202KVM-UN-4	F1DN104KVM-UN-4	F1DN204KVM-UN-4
No. of Computers	2	2	4	4
No. of Displays	1	2	1	2
Max Resolutions Supported	3840 x 2160 pixels (UHD 4K) @ 60Hz			
<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)			
Console Display Ports	1 x DP 1.2 or HDMI 2.0 port via combo connector	2 x DP 1.2 or HDMI 2.0 ports via combo connector	1 x DP 1.2 or HDMI 2.0 port via combo connector	2 x DP 1.2 or HDMI 2.0 ports 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			
<b>COMPUTER PORTS</b>				
Computer Display Ports	2 x DP 1.2 or HDMI 2.0 port via combo connector	2 x DP 1.2 or HDMI 2.0 ports via combo connector	4 x DP 1.2 or HDMI 2.0 ports via combo connector	4 x DP 1.2 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			
<b>PHYSICAL</b>				
Dimensions	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
Weight	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>				
Power Requirements	12V 2.5A DC Power Supply			
AC Input	100 to 240VAC			
Power Type	Worldwide with interchangeable mains connectors for NA, EU, UK, ANZ included 5mm DIN connector.			
<b>ENVIRONMENTAL</b>				
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			
<b>CERTIFICATION</b>				
Security Accreditation	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			
<b>GENERAL INFORMATION</b>				
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.			



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## Belkin Secure Universal 2nd Gen KVM Switch with Audio

PART NUMBER	F1DN102KVM-UNN-4	F1DN202KVM-UNN-4	F1DN104KVM-UNN-4	F1DN204KVM-UNN-4
No. of Computers	2	2	4	4
No. of Displays	1	2	1	2
Max Resolutions Supported	3840 x 2160 pixels (UHD 4K) @ 60Hz			
<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)			
Console Display Ports	1 x DP 1.2 or HDMI 2.0 port via combo connector	2 x DP 1.2 or HDMI 2.0 ports via combo connector	1 x DP 1.2 or HDMI 2.0 port via combo connector	2 x DP 1.2 or HDMI 2.0 ports via combo connector
Console Audio Jack	1/8" (3.5mm) female			
Remote Control Port	RJ14			
<b>COMPUTER PORTS</b>				
Computer Display Ports	1 x DP 1.2 or HDMI 2.0 port via combo connector	2 x DP 1.2 or HDMI 2.0 ports via combo connector	1 x DP 1.2 or HDMI 2.0 port via combo connector	2 x DP 1.2 or HDMI 2.0 ports via combo connector
Computer Audio Jack	1/8" (3.5mm) female			
Computer Keyboard/Mouse Ports	USB Type B			
<b>PHYSICAL</b>				
Dimensions	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
Weight	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>				
Power Requirements	12V 2.5A DC Power Supply			
AC Input	100 to 240VAC			
Power Type	Worldwide with interchangeable mains connectors for NA, EU, UK, ANZ included 5mm DIN connector.			
<b>ENVIRONMENTAL</b>				
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			
<b>CERTIFICATION</b>				
Security Accreditation	NIAP Protection Profile PSD Ver. 4.0, Audio Input v 1.0. Keyboard/Mouse v 1.0. Video/Display 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			
<b>GENERAL INFORMATION</b>				
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.			



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## Belkin Secure Universal KVM Switch 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'
VGA to HDMI	F1DN1CCBL-VH-10	VGA to HDMI/USB/AUD CBL VGA/HDMI MM, USB A/B, 10'
USB-C to DP	F1DN1CCBL-CP6t F1DN-NETPWR	TAA USB-C to DP/USB/DEVICE PWR CBL VID M; USB B, 6' TAA USB-C NETWORK AND DEVICE POWER ADAPTER

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

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'
F1D9026-50	50' RJ25 Extension for DCU
0401-00556	Power Adapter Kit, 12V/1.5A
F1DN002R	Advanced secure LCD Desktop Controller (DCU) for 4 port SKVM
F1D006	Mounting Bracket for F1DN102KVM-UN and UNN-4, F1DN202KVM-UN and UNN-4, F1DN104KVM-UN and UNN-4, F1DN204KVM-UN and UNN-4, F1DN102KVM-UN-3, F1DN202KVM-UN-3, F1DN104KVM-UN-3, F1DN104B, F1DN104C, F1DN104P, F1DN104K or F1DN204M
F1D008	Mounting Bracket for F1DN204KVM-UN-4 and UNN-4, F1DN204KVM-UN-3, F1DN104E, F1DN104F, F1DN104W or F1DN104Q
F1DN005U	USB Smart Card/CAC Reader
F1DN-DCUAP-UN-4	Belkin PP4.0 SKVM to DCU Adapter
F1DN008KBD	Belkin 2-4-8 Port Secure KVM Remote Control w/Integrated Keyboard

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