

# Belkin Universal 2nd Gen Secure KVM Switch.

Secure. Certified. Connected.



## Belkin Universal 2nd Gen 2-/4-Port Secure KVM Switch.

Utilizing an innovative display connection technology and a set of passive cables, the Belkin Universal 2nd Gen Secure KVM (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 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 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

## 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.

Universal 2nd Gen SKVM is further compliant 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 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. 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 SKVM Remote Control with Integrated Keyboard.

Designed for the ultimate in user experience, 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 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 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

## Universal 2nd Gen SKVM Switch Front and Rear Panels

### Single Head



F1DN102KVM-UN-4



F1DN104KVM-UN-4



F1DN102KVM-UNN4



F1DN104KVM-UNN4

## Universal 2nd Gen SKVM Switch Front and Rear Panels

Dual Head



F1DN202KVM-UN-4



F1DN204KVM-UN-4

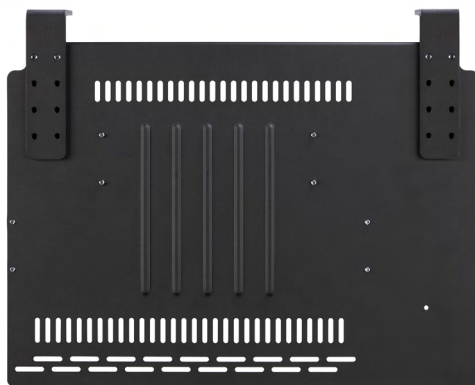


F1DN202KVM-UNN4



F1DN204KVM-UNN4

## Mounting Options



F1DN-WSMOUNT

Work Surface and Cubicle Mount



F1DN-KVM-MOUNT

Under-Desk Mount

## Belkin Universal 2nd Gen SKVM 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            | 1x DP 1.2 or HDMI 2.0 port via combo connector   | 2x DP 1.2 or HDMI 2.0 ports via combo connector                        | 1x DP 1.2 or HDMI 2.0 port via combo connector                         | 2x 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           | 2x DP 1.2 or HDMI 2.0 port via combo connector   | 2x DP 1.2 or HDMI 2.0 ports via combo connector                        | 4x DP 1.2 or HDMI 2.0 ports via combo connector                        | 4x 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 1.7 (H) x 6.2 (L) in. / 317.5 (W) x 43.2 (H) x 162.6 (L) mm   | 12.5 (W) x 1.7 (H) x 6.2 (L) in. / 317.5 (W) x 43.2 (H) x 162.6 (L) mm | 12.5 (W) x 1.7 (H) x 6.2 (L) in. / 317.5 (W) x 43.2 (H) x 162.6 (L) mm | 12.5 (W) x 3.6 (H) x 6.2 (L) in. / 317.5 (W) x 91.4 (H) x 162.6 (L) mm |
| Weight                           | 3.9 lbs. (1.77kg.)   | 4.85 lbs. (2.2kg.)   | 3.9 lbs. (1.77kg.)   | 4.85 lbs. (2.2kg.)   |
| <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, 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   |  |  |  |
| <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.  |  |  |  |
| <b>Certification</b>             |  |  |  |  |
| 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. |  |  |  |

## Belkin Universal 2nd Gen SKVM Switch With Audio

| Part Number                      | F1DN102KVM-UNN4  | F1DN202KVM-UNN4  | F1DN104KVM-UNN4  | F1DN204KVM-UNN4  |
|----------------------------------|--|--|--|--|
| 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            | 1x DP 1.2 or HDMI 2.0 port via combo connector   | 2x DP 1.2 or HDMI 2.0 ports via combo connector                        | 1x DP 1.2 or HDMI 2.0 port via combo connector                         | 2x 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           | 1x DP 1.2 or HDMI 2.0 port via combo connector   | 2x DP 1.2 or HDMI 2.0 ports via combo connector                        | 1x DP 1.2 or HDMI 2.0 port via combo connector                         | 2x 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 1.7 (H) x 6.2 (L) in. / 317.5 (W) x 43.2 (H) x 162.6 (L) mm   | 12.5 (W) x 1.7 (H) x 6.2 (L) in. / 317.5 (W) x 43.2 (H) x 162.6 (L) mm | 12.5 (W) x 1.7 (H) x 6.2 (L) in. / 317.5 (W) x 43.2 (H) x 162.6 (L) mm | 12.5 (W) x 3.6 (H) x 6.2 (L) in. / 317.5 (W) x 91.4 (H) x 162.6 (L) mm |
| Weight                           | 3.9 lbs. (1.77kg.)   | 4.85 lbs. (2.2kg.)   | 3.9 lbs. (1.77kg.)   | 4.85 lbs. (2.2kg.)   |
| <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.  |  |  |  |
| <b>Certification</b>             |  |  |  |  |
| 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.   |  |  |  |

## Belkin Universal 2nd Gen SKVM Switch Recommended Cable Solutions

| SKVM PC Connection Combo Cables   |                  |  |
|-----------------------------------|------------------|--|
| SKVM PC Connection                | 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   |                  |  |
| SKVM PC Connection                | 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 |                  |  |
| SKVM PC Connection                |                  | 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)   |
| FID9026-50      | RJ25 Extension for DCU, 50 ft. (15.24m)                            |
| 0401-00853      | Power Adapter Kit, 12V/1.5A  |
| FIDN002R        | Advanced Secure (DCU) for 4-Port SKVM                              |
| FIDN-KVM-MOUNT  | Under-Desk Mount   |
| FIDN-WSMOUNT    | Work Surface and Cubicle Mount for SKVM/SKM                        |
| FIDN005U        | USB Smart Card/CAC Reader  |
| FIDN008U        | CAC Reader   |
| FIDN-DCUAP-UN-4 | PP4.0 SKVM to DCU Adapter  |
| FIDN008KBD      | 2-4-8 Port S KVM Remote Control w/Integrated Keyboard              |
| FIDN-MOD-REM2   | SKVM/SKM Remote Control, 2 Port                                    |
| FIDN-MOD-REM4   | SKVM/SKM Remote Control, 4 Port                                    |
| FIDN-MOD-REXT-4 | Remote Control Extension Cable, 4 ft. (1.2m)                       |

Learn more about Belkin's cybersecurity solutions.



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