This Belkin product is certified by NIAP to the latest Common Criteria Protection Profile PSS Ver 3.0, which exceeds EAL4 and PP PSS Ver. 2.1.

• Advanced Secure 2-port Flip KM and KVM Switches

belkin BUSINESS

• Your Essential Connection

The Need

Many Federal employees work with two computers at different security levels.

These employees are in need of a productivity solution that will provide cost effective security in a small form factor.

Small form factor

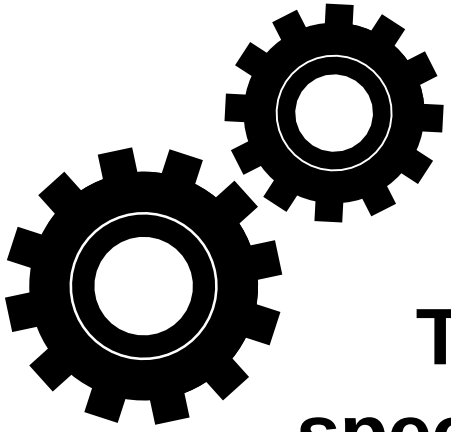
Cost-effective

Secure

CURRENT SOLUTION

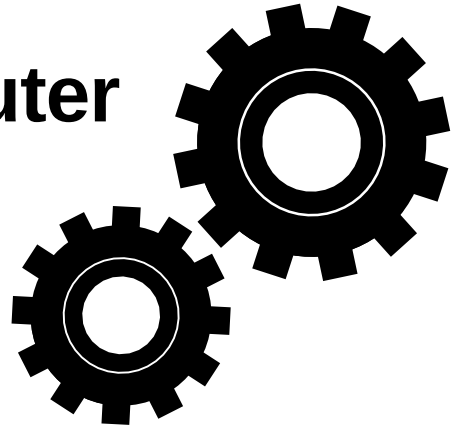
The best solution available to date was to use a secure switch designed for 4-ports or more

Too big
Too expensive
Too complex



The Challenge

To provide an optimal solution specifically designed for 2-computer secure environments



The BELKIN SOLUTION

Belkin is proud to introduce the industry's first secure KVM/KM designed for users working with two computers:

- **Low cost**
- **Secure**
- **Small**
- **Simple to use**

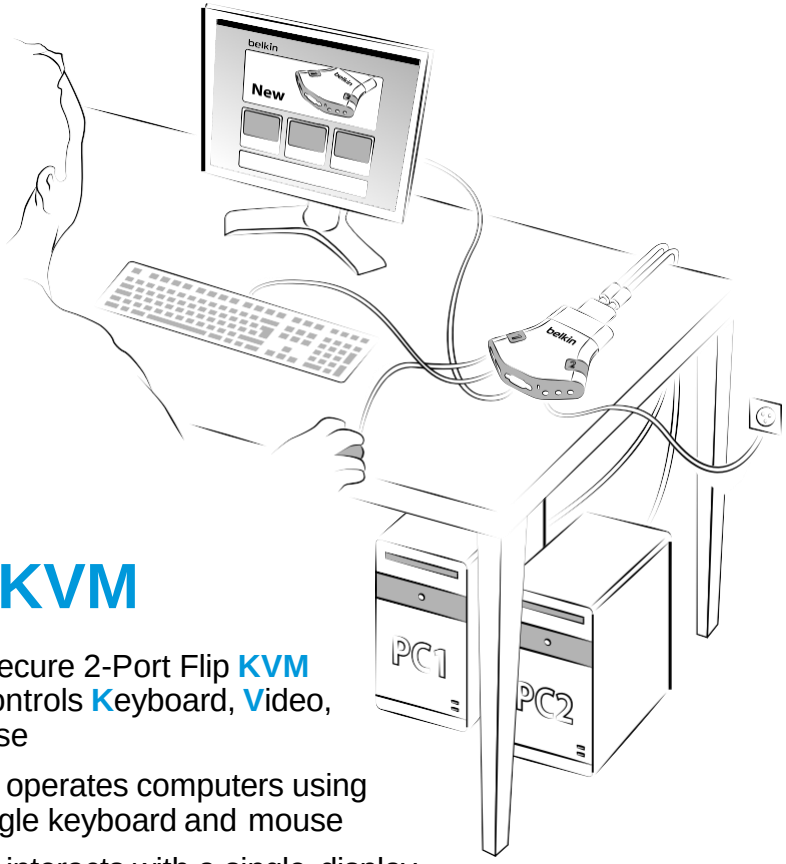
F1DN102F-3
DVI-D KVM

F1DN102V-3
VGA KVM

F1DN102N-3
DisplayPort KVM

F1DN102K-3
KM

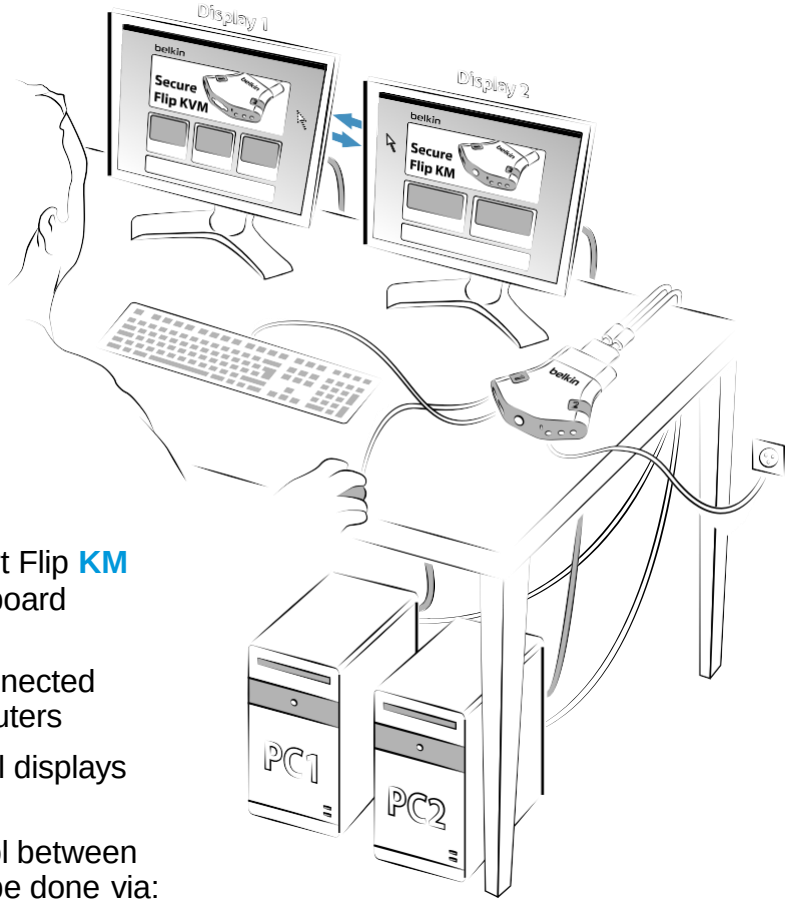
GET TO KNOW FLIP KM & KVM



Flip KVM

Belkin® Secure 2-Port Flip **KVM** Switch controls **K**eyboard, **V**ideo, and **M**ouse

- User operates computers using a single keyboard and mouse
- User interacts with a single display
- Switching control between computers can be done via:
  - Switch control push-buttons
  - Remote Control device



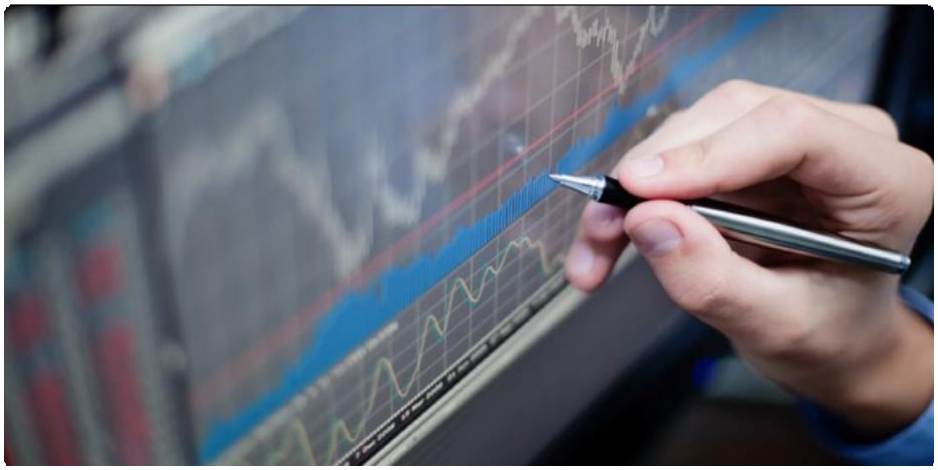
Flip KM

Belkin® Secure 2-Port Flip **KM** Switch controls **K**eyboard and **M**ouse

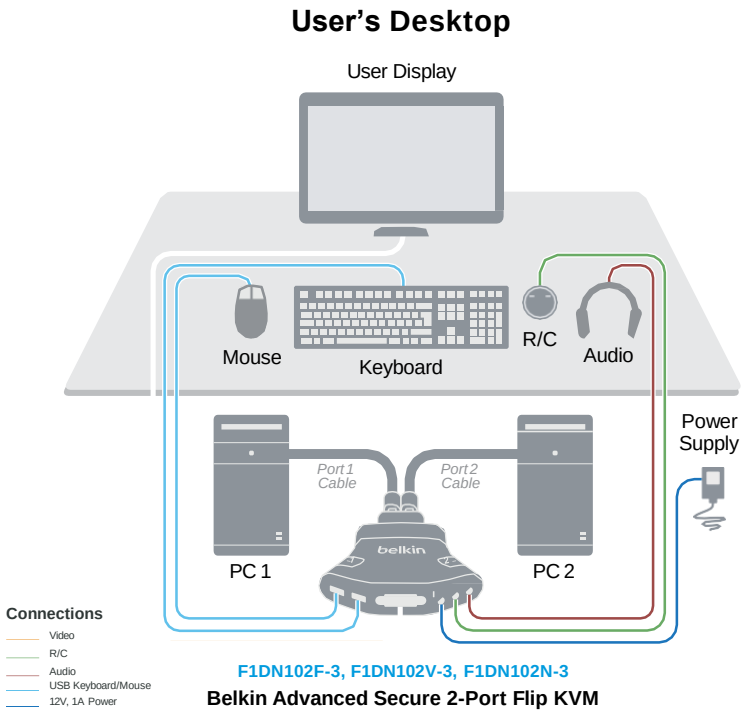
- Displays are connected directly to computers
- User monitors all displays simultaneously
- Switching control between computers can be done via:
  - SCS (Seamless Cursor Switching): as mouse curser cross display borders
  - Switch control push-buttons

TARGET MARKETS

- Government / civil agencies
- Finance / traders
- defense / intelligence
- Any high security organization



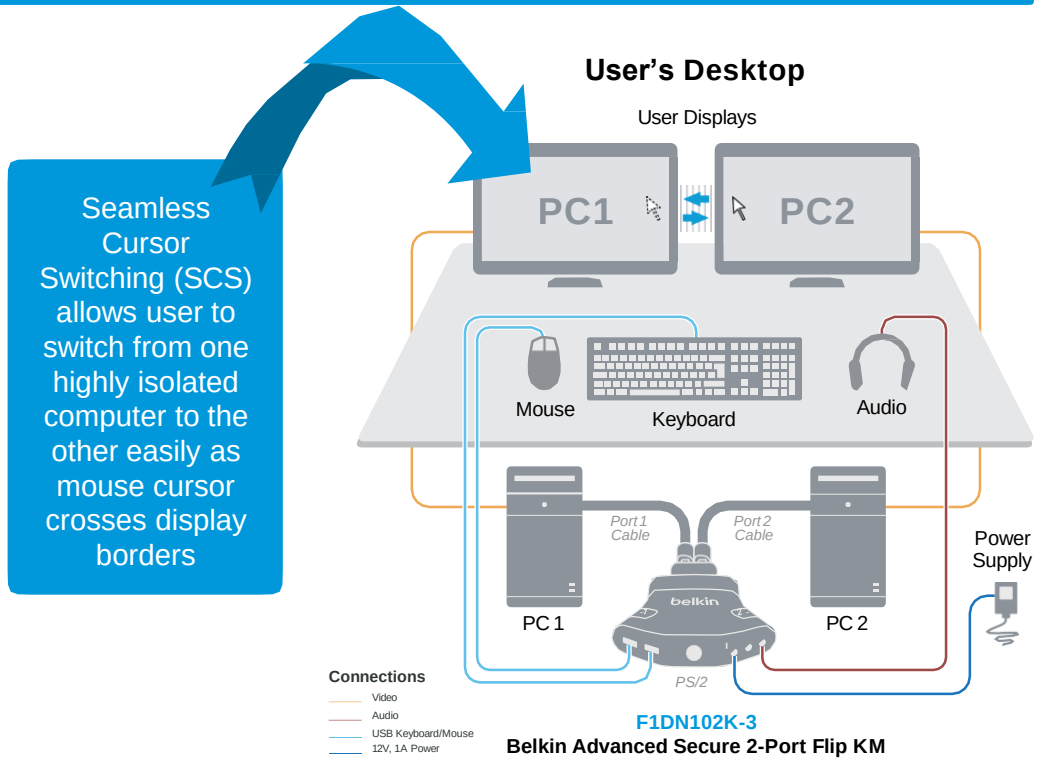
HOW DOES IT WORK?



F1DN102F-3, F1DN102V-3, F1DN102N-3
Belkin Advanced Secure 2-Port Flip KVM

1. Computers are connected to the Switch ports 1 & 2
2. Monitor is connected to the video port on the console section of the Switch
3. USB Keyboard and Mouse are connected to the console section of the switch
4. User headphones or amplified speakers are connected to audio-out port on the console section of the Switch

Seamless Cursor Switching (SCS) allows user to switch from one highly isolated computer to the other easily as mouse cursor crosses display borders

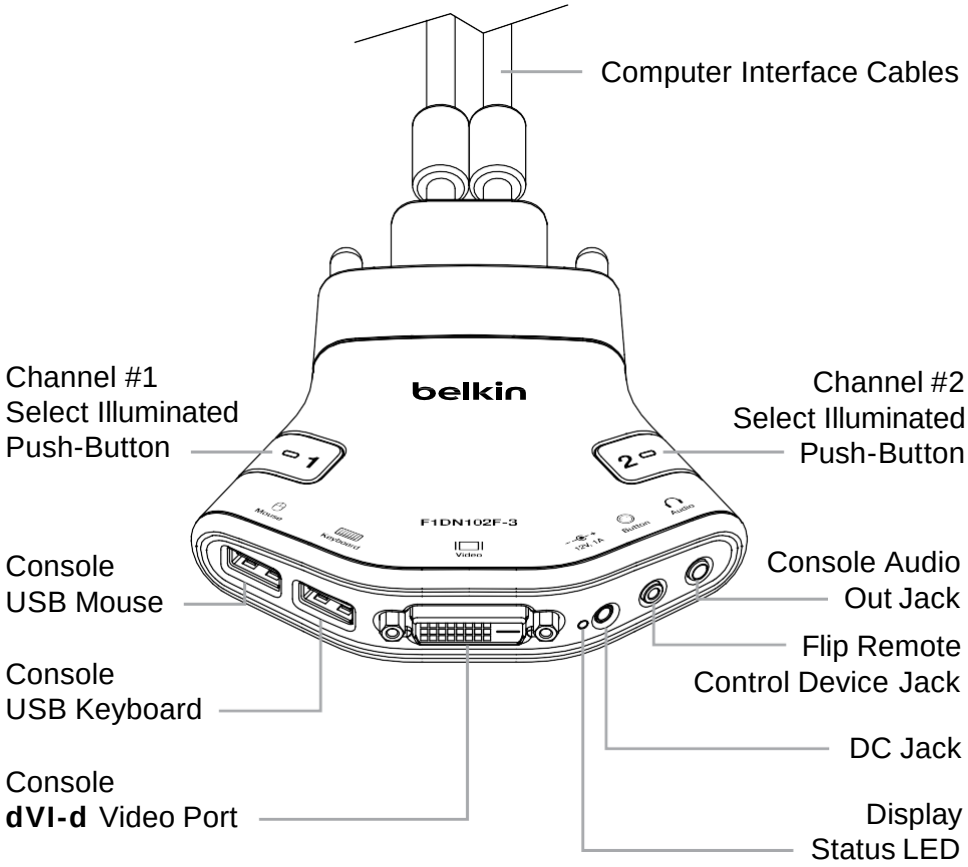


F1DN102K-3
Belkin Advanced Secure 2-Port Flip KM

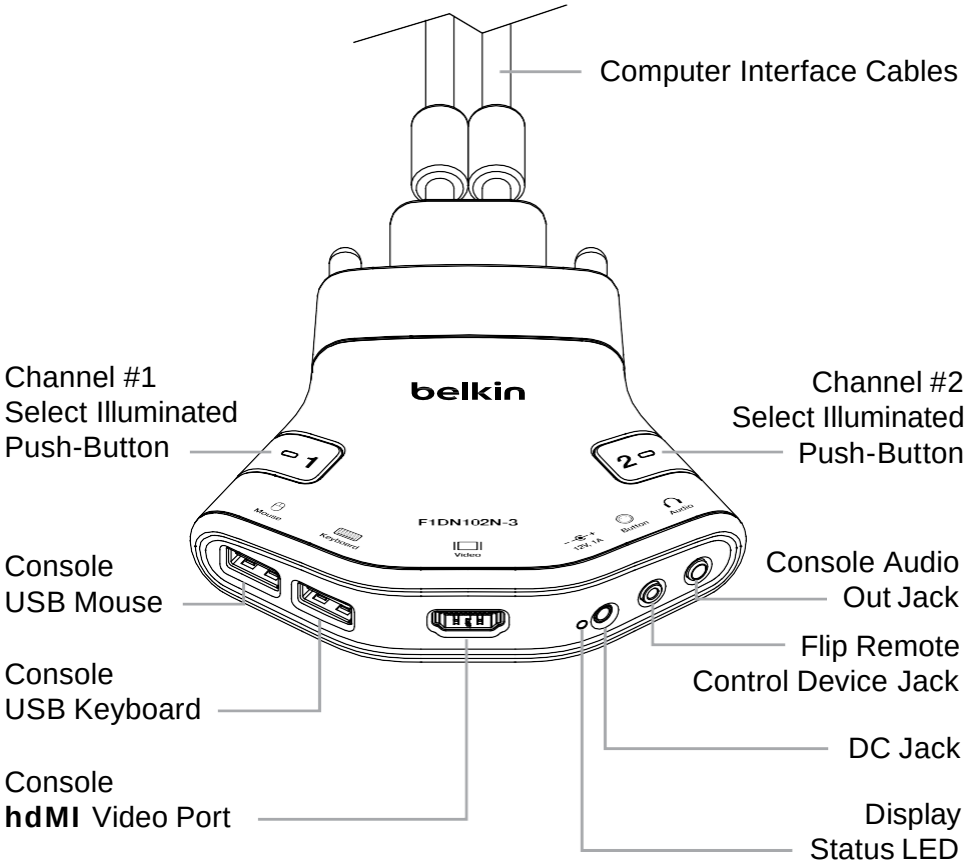
1. Monitors are connected directly to computers 1 & 2
2. Computers are connected to the Switch ports 1 & 2
3. Keyboard and Mouse are connected to the console section of the switch:
   - USB keyboard and mouse
   - Optionally PS/2 or Bloomberg keyboard
4. User headphones or amplified speakers are connected to audio-out port on the console section of the switch

PORT VIEWS

F1DN102F-3 (DVI-D KVM)

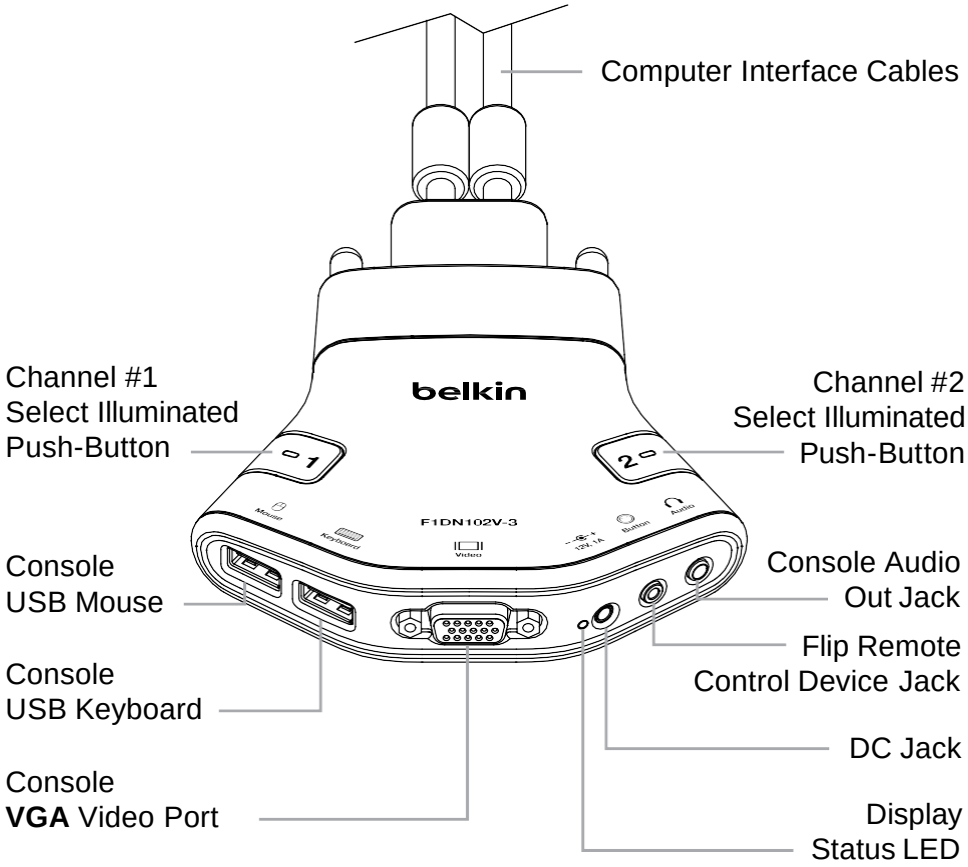


F1DN102N-3 (DP KVM)

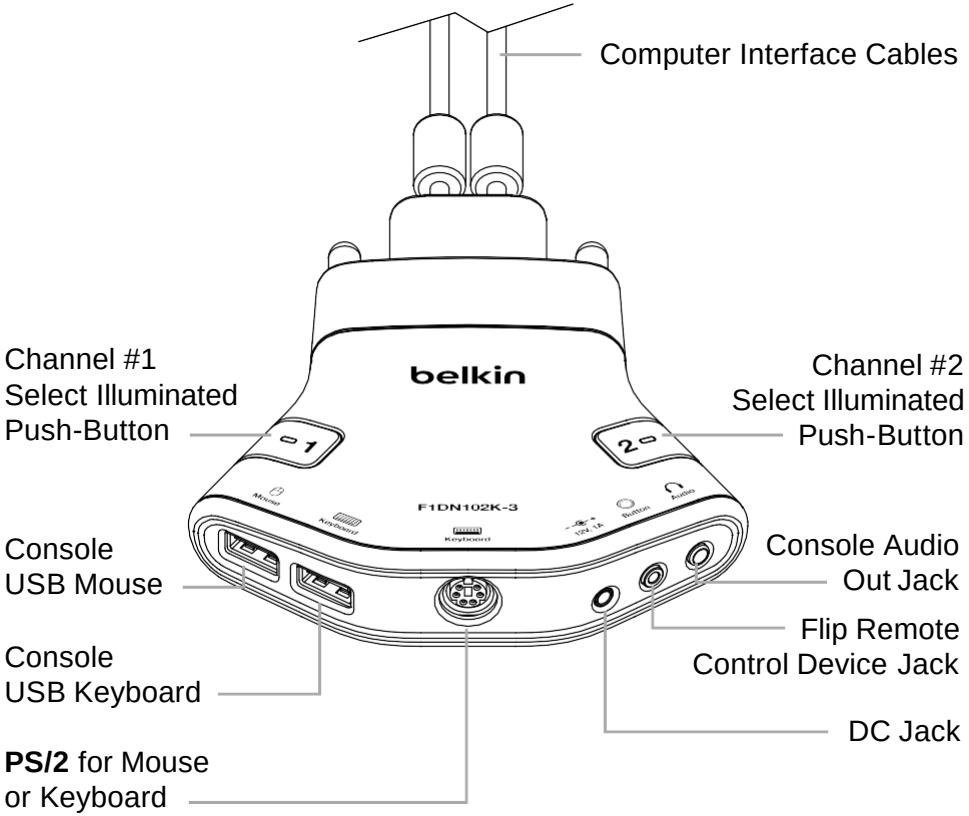


PORT VIeWS

F1DN102V-3 (VGA KVM)



F1DN102K-3 (KM)



SOLUTION HIGHLIGHTS (ALL PRODUCTS)

- **Compact**
  Weighing only 1.2 lbs;
  sized 4.3 (W) x 3 (D) x 1 (H) inch
- **Low Cost**
  Compared to any other solution
- **Secure**
  Built-in security and anti-tampering features
- **Straight-forward setup**
  All cables integrated
- **Intuitive Operation**
  Via two push buttons
- **Remote Control**
  For convenient operation and zero desktop space
- **OS support**
  Windows, Mac, Linux
- **Lag-free switching**
  Fluent user experience
- **Audio-out switching**
  Supported, except for microphone switching to prevent analog leakages through audio ports

SPECIAL FEATURES (F1DN102K-3 – FLIP KM ONLY)

- **SCS technology (Seamless Cursor Switching)**
  User can easily switch between computers by moving the cursor from one display to another

- **Compatibility with finance market requirements**
  Belkin® Secure Flip KM supports Bloomberg keyboards

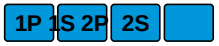
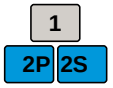
- **Easy predefined setup with presets**
  Belkin® Secure Flip KM arrives with an easy-to-use predefined set of 25 display configurations

- **Multi-monitor support**
  Up to 6 displays

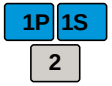
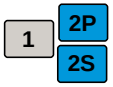
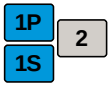
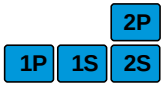
  Note: multi monitor requires installation of the Belkin Multi-Display Mouse Driver, this Driver is currently available for Windows

BELKIN SECURE KM PRESETS – F1DN102K-3

Pre-Defined Configuration List
Using CTRL, CTRL, F11, Fx

FII|FI	
FII|F2	
FII|F3	
FII|F4	
FII|F5	
FII|F6	
FII|F7	
FII|F8	
FII|F9	
FII|FI0	

Pre-Defined Configuration List
Using CTRL, CTRL, F11, x, y

FII|I|I	
FII|I|2	
FII|I|3	
FII|I|4	
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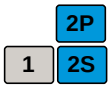
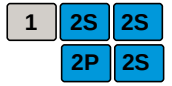
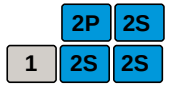
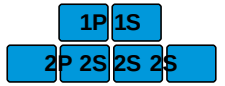
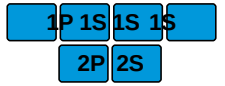
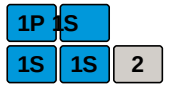
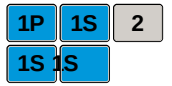
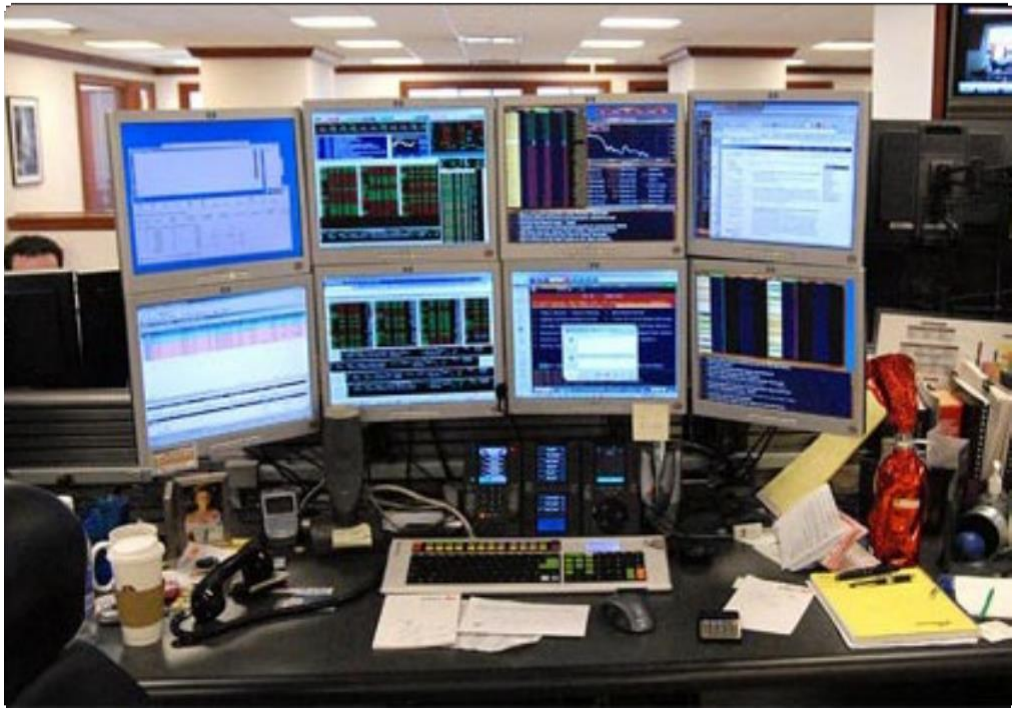
FII|I|6	
FII|I|7	
FII|I|8	
FII|I|9	
FII|I|0	
FII|2|I	
FII|2|2	
FII|2|3	
FII|2|4	

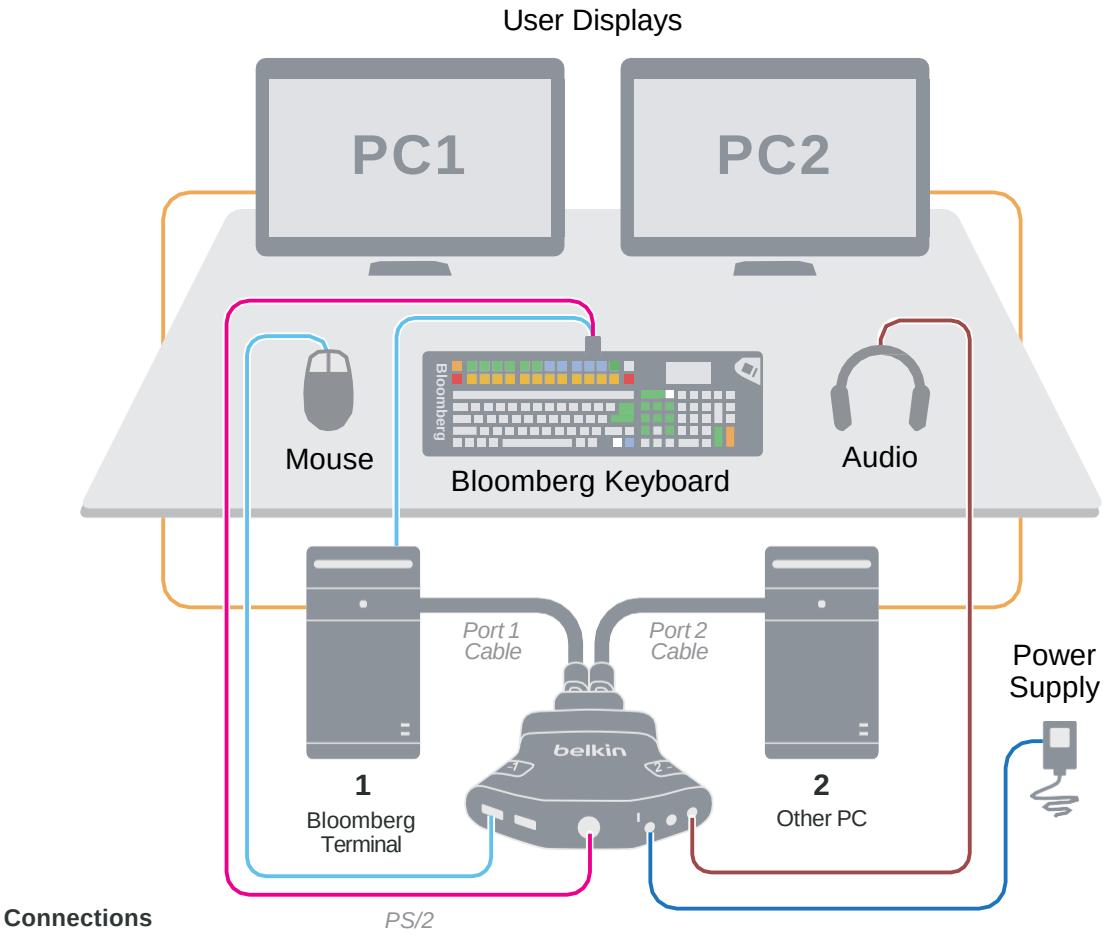
FINANCE MARKETS / TRADERS – F1DN102K-3

- The Belkin Secure KM supports Bloomberg keyboards offering secure, instantaneous switching.
- When using the Belkin Secure KM switch connected to a Bloomberg Keyboard:
  - **Standard keyboard functions** pass through Secure KM and are shared between the two computers.
  - **dedicated functions and special keys**, such as audio, BSAT (Bloomberg Secure Access Technology), LCD, etc. are operative only on the relevant Bloomberg computer.



FINANCE MARKETS/TRADERS – F1DN102K-3

User's Desktop



F1DN102K-3

Belkin Advanced Secure 2-Port Flip KM with Bloomberg Keyboard

BUILT-IN SECURITY FEATURES (ALL PRODUCTS)

- **Tamper-proof hardware:**
  - Integrated circuits soldered directly to printed board to avoid components' tampering
  - Optical diodes enforce unidirectional data flow from peripherals to computers
  - Advanced anti-tampering battery with a very low self-discharge rate such that life expectancy is increased dramatically
  - Dedicated processors for emulation
- **"Always-on" anti-tampering system:** Permanently disabling product once tampering is detected
- **Secure packaging & tamper-evident product label** to ensure secure delivery to the end user
- **One-time programming** at production only with non-reprogrammable firmware
- **No Cross cables**, no shared resources
- **USB ports protection** to prevent unauthorized peripheral usage
- **NIAP Certified** to Common Criteria and Protection Profile PSS Ver 3.0, which exceeds EAL4 and PP PSS Ver 2.1.

FREQUENTLY ASKED QUESTIONS

- **What is the difference between a KM and a KVM?**

  KVM's are designed to switch displays, allowing the user to only see and manage one target device at a time. When using a KM switch, users can see all the connected computers, securely, at the same time. A KM switch is a device that switches a single keyboard and mouse between multiple computers. A KM switch is essentially a KVM switch without the video switching; all displays are continuously connected to their respective computers, so that all connected devices can be managed seamlessly, in real time. To navigate from one computer or display to the next, simply move your mouse cursor from one monitor to the next.

- **Can a Secure KVM be used as a KM?**

  No, Secure KVMs are designed to switch video as well as mouse and keyboard at the push of a button or using the remote control device. On a KM, the switching of channels is done by SCS, Seamless Curser Switching, by just moving the mouse cursor from monitor to monitor.

FREQUENTLY ASKED QUESTIONS - CON.

- **When should a Belkin Secure 2-Port Flip KVM/KM Switch be used?**
  - **Belkin Secure 2-Port Flip KVM/KM Switch** should be used when one user needs to work on 2 isolated networks.
  - **The Flip KVM switch** should be used when one user needs to work in front of a single computer each time and the switch securely passes control of Video, Keyboard and Mouse between the 2 computers.
  - **The Flip KM switch** should be used when one user needs to work simultaneously with multiple displays attached to multiple computers using a single keyboard and mouse.

- **Are Belkin Flip KVM and KM Switches as secure as Belkin KVM Switches?**

  The Belkin Secure Flip KVM and KM Switches are a derivative of the award winning Belkin Secure KVM product line, and are equipped with the same high security features: Active Always-On Anti-Tampering, Heavy-Duty Tamper-Resistant Enclosure, Tamper Evident Label, Unidirectional Data Paths, Dedicated Processors for Emulation, USB Port Protection, Non- Reprogrammable Firmware, Tamper-Proof Hardware, and more.

FREQUENTLY ASKED QUESTIONS - CON.

- **do I need to install software drivers with the Belkin Secure Flip KM?**

  The Belkin Secure KM can be easily configured to support multi head computers through a signed software driver. Single head installations, one monitor per computer, do not require any software installation.

- **Can I use a KM with multiple-display computers?**

  Yes, The Belkin Secure Flip KM supports up to 8 displays connected and working simultaneously according to the predefined monitor setup presets.

- **What operating systems are supported by the Belkin Secure Flip KVM/KM switches?**

  The Belkin Secure Flip KVM and KM support Windows, Linux and Mac operating systems. For configuring multiple-display computers and the KM monitor layout, only Windows is supported.

- **What keyboards are supported by the Belkin Secure Flip KVM and KM?**

  USB Keyboard console port

  The Belkin Secure Flip KVM and KM USB keyboard console port is compatible with the following types of devices:

  - Standard USB keyboard;
  - Standard USB mouse; and:
  - Bar-code readers emulating USB keyboard.

FREQUENTLY ASKED QUESTIONS - CON.

PS/2 Keyboard console port (Flip KM only)

The Belkin Secure Flip KM PS/2 keyboard console port is

compatible with the following types of devices:

- Standard PS/2 keyboard; and:
- Bar-code readers emulating USB keyboard.

- **What mice are supported by the Belkin Secure Flip KVM/KM?**

USB Mouse console port

The Belkin Secure Flip KVM/KM USB mouse console port is compatible with the following types of devices:

- Standard USB mouse (excluding USB hubs or other USB functions in composite device); or
- Standard USB keyboard or Standard KVM Extender composite device with keyboard/ mouse functions

- **Can a microphone be used with the Belkin Secure Flip KVM/KM?**

No, Microphone switching is not supported to prevent analog leakages through audio ports.

- **Can extension cables be used with the Belkin Secure Flip KVM/KM?**

Yes, any passive extension cable can be used to extend the distance between user and the switch or the switch and the connected computers.

ThANK YOU

For more information, please visit www.belkinbusiness.com

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