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Quick Installation Guide

USB Blockers and HID or Programmable Filter

Objectives

- This guide includes instructions for installing Belkin's F1DNUSB-BLK, F1DN-FLTR-HID-4, and F1DN-FLTR-DPP-4 USB security device family.

- Belkin's HID filter (F1DN-FLTR-HID-4) allows secure, unidirectional connection of USB keyboard and mouse. The USB HID Filter blocks all USB traffic except standard keyboard and mouse in one direction only (Note-The CAP, NUM, SKL Lock lights will not light on the keyboard being used with the filter).

- The Configurable Filter version (F1DN-FLTR-DPP-4) allows secure connection of two administrator-approved USB devices based on VID/PID characteristics. By default the configurable filter will allow the use of USB authentication device (IE: CAC Card Reader).

- The USB Blocker (F1DNUSB-BLK) – Is a mechanical USB port cover that physically locks individual USB ports.

- This Manual and additional product documentation is available for online download on the Belkin website. For further assistance please refer to: http://www.belkin.com/us/Resource-Center/Cybersecurity/Secure-KVM-Switching/.

Installation

- Connect the Filter or blocker devices to the PC based on the type of USB devices you would like to use.

- **Note:** Once installed it is impossible to remove the device from the USB port!

- Whenever protecting a PC, It is highly recommended to use at least one configurable filter and one HID filter.

- Block all other open ports with the USB Blocker plugs.

- **Note:** Programable filter configuration will allow the administrator to create a white list and black list rules, allowing and preventing specific USB devices. This configuration is not covered by the manual. Contact your administrator.

Operation

- Connect USB devices to the filter(s) installed per the above instructions.

- Keyboard and Mouse to the HID filter (Black Enclosure).

- Any authorized USB device to the DPP programmable filter (Red Enclosure).

- Use the USB blocker in all remaining USB ports to be protected.

- LED behavior on the filter(s)

    – No device inserted to the filter USB port with the filter installed in a working PC – LEDs light RED.

    – Approved USB device inserted to the filter USB port with the filter installed in a working PC – LEDs light GREEN.

    – Rejected USB device inserted to the filter USB port with the filter installed in a working PC – LEDs FLASH.

    – Note-even if one of the inserted devices is accepted and the second one rejected – Both LEDs will FLASH.

    – Neither port will operate.

Supported Hardware:

The filters support most standard USB keyboards and mice.

Wireless keyboards and mice should not be used and are not supported.

Environmental

- Operating temperature is 32° to 104° F (0° to 40° C).

- Storage temperature is -4° to 140° F (-20° to 60° C).

- Humidity requirements are 0-80% relative humidity, non-condensing.

Operating Systems

- Microsoft® Windows®

- Red Hat®, Ubuntu® and other Linux® platforms

- Mac OS® X v10.3 and higher

Power

Provided by PC USB Port

F1DN-FLTR-HID-4, and F1DN-FLTR-DPP-4 Dimensions

W 30mm x H 18.35mm x L 59.5mm

Cable length: 141mm

F1DNUSB-BLK Dimensions

W15.4mm X H 7.8mm x depth 11.6mm

This product is certified to the NIAP Protection Profile PSS version 4.0, certification for peripheral sharing switch devices.

In addition we, Belkin International Inc, of 12045 E. Waterfront Drive, Playa Vista, CA 90094, declare under our sole responsibility that the products described in this manual comply to the declarations found at:

http://www.belkin.com/us/support-article?articleNum=289064

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NIAP Protection Profile

These products are certified to the NIAP Protection Profile PSS version 4.0 certification for peripheral sharing switch devices.

Installation Precautions

NOTE: In order to comply with the product's Common Criteria evaluation and to prevent unauthorized administrative access to the product, the default administrator username and password must be changed prior to first product use.

Do not connect this product to computing devices that:

- are TEMPEST computers
- include telecommunication equipment
- include frame grabber video cards
- include special audio processing cards

Security Vulnerability

If you are aware of a potential security vulnerability while installing this product, contact Technical Support immediately by:

- Calling Belkin Technical Support at (800) 282-2355
- Referring to http://www.belkin.com/us/support

> WARNING: To avoid a potentially fatal shock hazard and possible damage to equipment, please observe the following precautions.

- Do not disable the power grounding plug. The grounding plug is an important safety feature.
- Plug the power cord into a grounded (earthed) outlet that is easily accessible at all times.
- Disconnect the power from the product by unplugging the power cord from either the electrical outlet or the product. The AC inlet is the main disconnect for removing power to this product. For products that have more than one AC inlet, to remove power completely, all AC line cords must be disconnected.
- This product has no serviceable parts inside the product enclosure. Do not open or remove product cover.

> **CAUTION:** Anti-tamper Caution - This product is equipped with an always-on, active anti-tampering system. Any attempt to open the product enclosure will activate the anti-tamper triggers, rendering the unit inoperable and voiding its warranty.

> **WARNING:** Unit Enclosure Warning - If the unit's enclosure appears disrupted or if all LEDs flash continuously, remove the product from service immediately and contact Technical Support.

Change Management

For change management tracking, perform a quarterly log check to verify that the RFD was not improperly used to override the current device policy by an unauthorized person.

> **CAUTION:** Some Belkin products contain a lithium battery. This battery is not a field replaceable item, and replacement should not be attempted by a user.
> If errors occur when using the product and the battery is suspected, contact Belkin Technical Support.

> **WARNING:** For Service Personnel Only - There is a risk of explosion if the battery is replaced with an incorrect type. Dispose of used batteries according to the manufacturer's instructions.

This product is for use with other products that are Listed or Certified by a Nationally Recognized Testing Laboratory (NRTL).