

iSwitch 1601HKL

16x1 HDMI FHD KVM Switcher
User Manual V1.0

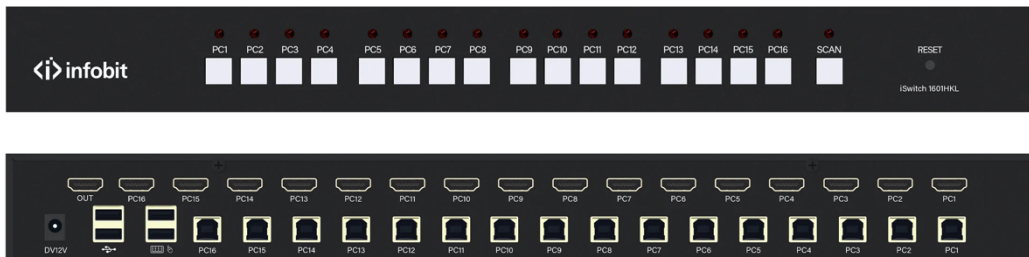




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1. DESCRIPTION

It enables users to seamlessly switch between 16 computer systems using just a set of USB keyboard, mouse, and an HDMI video interface, facilitating efficient multitasking.

The HDMI KVM switcher supports ultra-high-definition video resolution up to Full HD 1920x1080@60Hz (Support 4K 60Hz customized) *, delivering a wider screen coverage for optimal working experience.

The HDMI KVM switcher enables seamless switching between 16 computers and features a dual-port USB Hub. This allows USB keyboard and mouse data to be transferred via KVM cables with rapid, seamless switching. Additionally, the USB Hub grants each computer access to two extra USB 2.0 universal peripherals.

The device is easy and convenient to install, requiring only inserting the cable into its corresponding port. No software configuration is needed, and there are no compatibility issues. It can work on multiple operating system platforms such as Windows, Linux, and Mac.

Note*: Please contact INFOBIT sales before placing order.

2. CONNECTION REQUIREMENTS

PC desktop configuration: 16 HDMI cables and 16 USB A/B cables.

User interface components: A monitor with an HDMI port; a USB keyboard; a USB mouse; and two USB 2.0 universal devices.

3. FEATURES

- Complies with HDMI 2.0 (with FHD resolution by default) standards and supports HDCP protocol, featuring a USB keyboard and mouse to control 16 HDMI-connected computers.
- Equipped with a built-in dual-port USB Hub, fully compatible with USB 2.0 standards.
- Two flexible switching methods: front panel buttons and keyboard hotkeys.
- Supports resolutions up to 1920x1080@60Hz. 4K60 is customized.

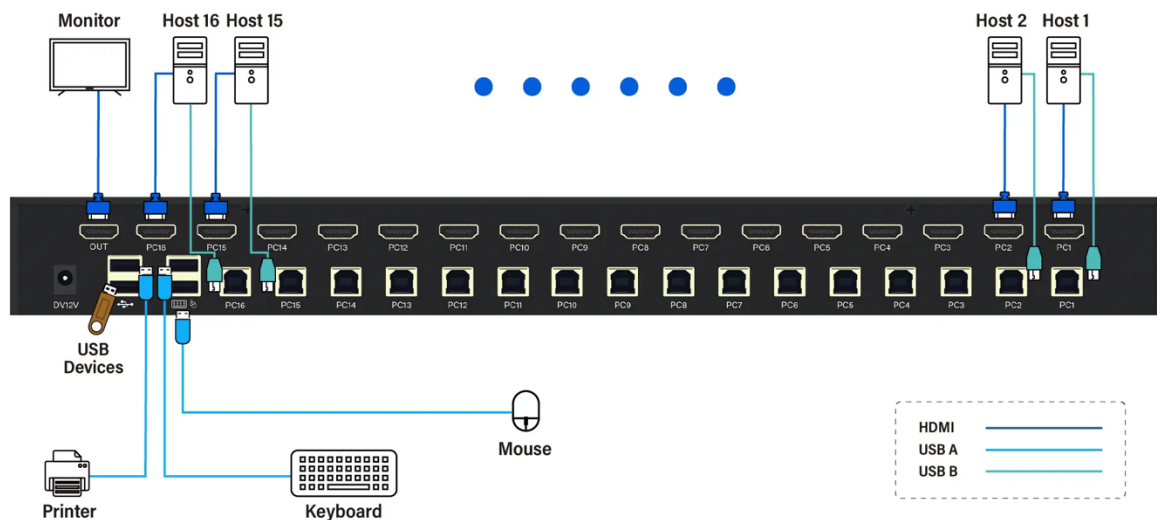
- The keyboard and mouse support port emulation and bypass functions, compatible with mice and keyboards from brands including IBM, DELL, HP, and Double Fly Swallow.
- Multi-platform support for Windows, Linux, and macOS.

4. PACKING LIST

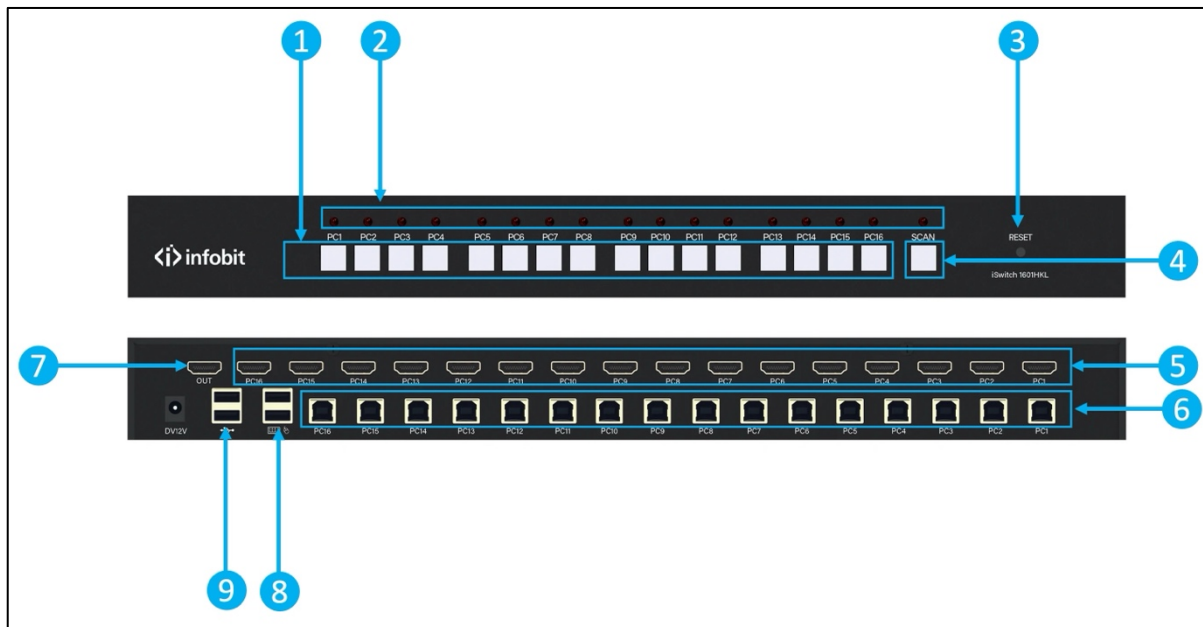
Thank you for using our company's products. Please open the packaging and check the product packing list first.

- iSwitch 1601HKL, 1x
- 2V/1A power adapter, 1x

5. DIAGRAM



6. INTERFACE FUNCTION



1	Indicators	4	Auto Scan	7	HDMI Out
2	Switching 1-16	5	HDMI IN 1-16	8	Keyboard/Mouse
3	Reset	6	USB-B Host 1-16	9	USB Devices

7. SWITCHING MODE

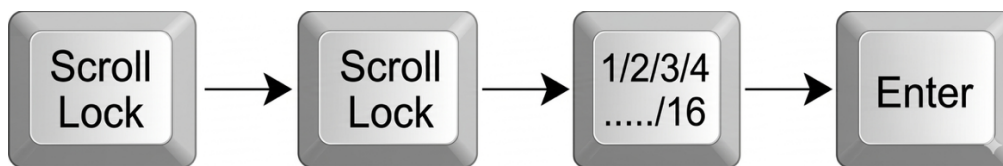
There are two switching methods:

- ① Switching via buttons on the front panel.
- ② Switching using keyboard hotkeys.

① Button Switch

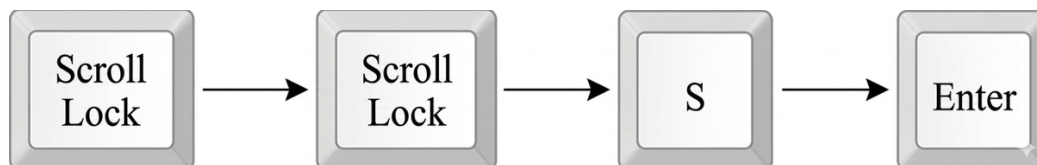
The front panel features 16 buttons, each designed to switch to a corresponding port among the 16 available ports.

② Keyboard switch -You can also switch functions by using specific keyboard keys in sequence. Specifically:



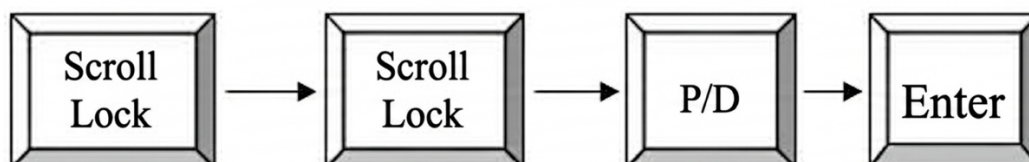
Press and release the ScrollLock key, then press and release it again. Press the numeric keys '1', '2', '3', or '16' and release them, then finally press Enter to switch to the corresponding port (Port 1, Port 2, Port 3, or Port 16).

Start keyboard auto scan – The automatic scanning feature can be activated using keyboard shortcuts. Specifically:



(**Scroll Lock** → **Scroll Lock** → **S** → **Enter**) Press and release the ScrollLock key, then press and release the ScrollLock key again, followed by pressing and releasing the 'S' key, and finally press the Enter key. This will activate the automatic scanning switching function, where the switcher automatically toggles between the two ports at preset intervals.

Keyboard scan interval settings– Set the automatic scan interval using keyboard shortcuts. The specific settings are as follows:



To adjust the automatic scanning interval, press and hold the ScrollLock key, then release it, press and hold the ScrollLock key again, press the letter key "P" or "d" and release, and finally press Enter. The interval is available in seven preset settings: 10 seconds, 20 seconds, 30 seconds, 50 seconds, 100 seconds, 200 seconds, and 5 seconds, with 10 seconds as the default.

8. INSTALL

1. Power off the switcher, HDMI display, and all host devices.
2. Connect the USB keyboard and USB mouse to the ports labeled as keyboard and mouse on the switcher. If needed, you can also connect two USB 2.0 universal peripherals to the ports labeled as USB Hub, such as USB flash drives or USB cameras.
3. Connect the HDMI monitor to the 'Monitor' port on the switcher and turn on the monitor power.
4. Connect the HDMI port on the switcher to the host computer's HDMI port using an HDMI cable.
5. Connect the USB port on the switcher to the host computer's USB port using a USB cable.
6. Power on the switcher.
7. Turn on all computer power supplies and start up.

9. SPEC

Model	iSwitch 1601HKL
Name	16 x 1 HDMI FHD KVM Switcher
Number of connected PC	16x
PC connection port	16x HDMI Female; 16x USB Type B Female
Client connection port	2x USB Type A Female (for Keyboard/Mouse); 2x USB 2.0 Type A Female; 1x HDMI Female;
HDMI standard	2.0
Maximum video resolution	1920x1080/60 by default; 3840 x 2160@60Hz (customized)
Panel buttons	17
LED indicators	17



Port switching method	Push buttons; Hotkeys.
Power Supply	DC12V/1A
Operation temperature	-40 ~ +55°C
Dimension (mm)	440 X 150 X 45mm