

HK802

8-Port 4K HDMI KVM Switch

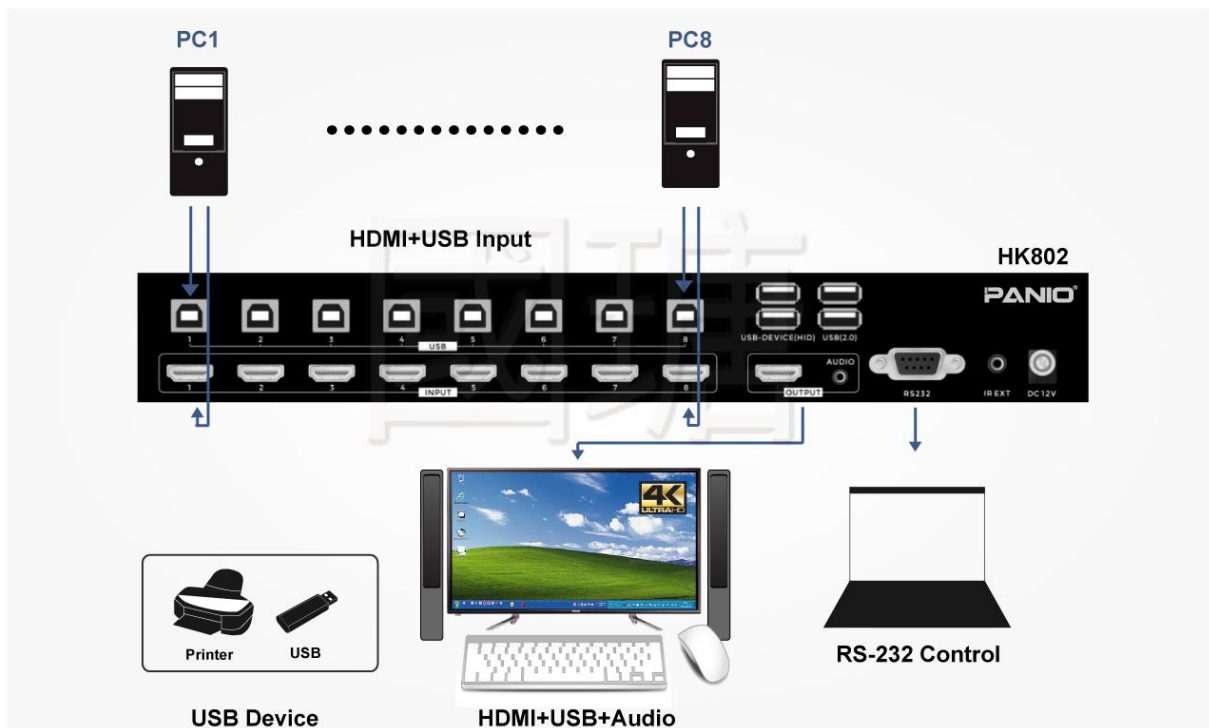
8 HDMI + USB Inputs, 4K30, 0-Second Seamless Switching, USB 2.0, Auto-Scan, RS-232

Product Overview

PANIO HK802 is a professional 8-port 4K HDMI KVM switch designed to let one operator control up to eight HDMI computers through one display, keyboard and mouse. It supports video resolutions up to 3840 × 2160 at 30Hz and combines video, USB and control switching in one compact platform for control rooms, server rooms, monitoring desks, meeting spaces and multi-PC workstations.

HK802 provides 0-second seamless switching, USB 2.0 peripheral sharing, 3-second auto-scan, selectable output scaling, automatic signal detection, inactive-port hiding, 3.5 mm audio extraction and RS-232 control. Multiple control methods include front-panel buttons, IR remote, hotkey, USB mouse switching and serial commands.

Diagram



Product Features

- **Professional 8-Port HDMI KVM:** Control eight HDMI computers from one 4K display, keyboard and mouse workstation.
- **0-Second Seamless Switching:** Instant source switching is designed to avoid the normal black-screen waiting period.
- **4K30 Video Output:** Supports display resolutions up to 3840 × 2160 at 30Hz for professional desktop and monitoring applications.
- **USB 2.0 Peripheral Sharing:** Share compatible USB 2.0 peripherals such as storage devices, printers and touch interfaces.
- **3-Second Auto-Scan:** Automatically advances through connected computer ports using the built-in 3-second scan interval.
- **Selectable Resolution Scaling:** Fixed output options include 1366×768, 720p, 1080p and 4K30 for display compatibility.
- **Automatic Signal Detection:** Prioritizes the last active input signal and streamlines operation when source availability changes.
- **Inactive-Port Hiding:** Smart source handling reduces unnecessary switching to ports without active video signals.
- **Audio De-Embedding:** A 3.5 mm audio output provides a separate connection for external speakers or audio systems.
- **Flexible Control / RS-232:** Operate by front panel, IR remote, hotkey, USB mouse or RS-232; EDID settings can be configured by serial command.

Specification

Parameter	Specification
Model	HK802
Product Type	Professional 8-port 4K HDMI KVM switch with seamless switching and USB 2.0 peripheral sharing
Input	8 × HDMI, 8 × USB host connections
Output	1 × HDMI; 4 × USB; 1 × RS-232; 1 × 3.5 mm audio
Maximum Video	3840 × 2160 @ 30Hz / 4K30
Auto-Scan	3 seconds
Resolution Scaling	1366×768 / 720p / 1080p / 4K30 selectable fixed output
Signal / Audio	Automatic signal detection; inactive-port hiding; 3.5 mm audio de-embedding
Control	Front panel, IR remote, hotkey, USB mouse switching, RS-232 commands
Power	DC 12V / 1.5A

Interface & System Architecture

Interface	Description
HDMI Inputs	8 × HDMI source inputs for eight computers
USB Host Inputs	8 × USB host-side connections paired with the computer inputs
HDMI Output	1 × HDMI display output; supports up to 3840 × 2160 @ 30Hz
USB Peripheral Ports	4 × USB ports for keyboard, mouse and compatible USB 2.0 peripherals
Audio / Serial	1 × 3.5 mm audio output; 1 × RS-232 control port
Switching / System	0-second switching; auto-scan; scaling; automatic signal detection; serial EDID settings

KVM & Signal Functions

- **Centralized 8-Computer Control:** Select any of eight computers from one display, keyboard and mouse while sharing compatible USB 2.0 peripherals.
- **Fast Switching & Source Handling:** Combine 0-second switching, automatic signal detection, inactive-port hiding, auto-scan and selectable output scaling for efficient operation.

Mechanical & Connection

Parameter	Specification
Dimensions	310 × 103 × 44 mm (L × W × H)
Weight	Approx. 1.2 kg
Power Input	DC 12V / 1.5A
Maximum Resolution	3840 × 2160 @ 30Hz / 4K30
HDMI Cable Note	Use HDMI 2.0 certified cable for 4K signal transmission and verify the complete signal path

Package Contents

- **HK802 Main Unit:** 1 unit
- **DC 12V / 1.5A Power Adapter:** 1 unit
- **IR Remote Controller:** 1 unit; battery not included
- **User Manual:** 1 copy

Cable / Compatibility Note: Use certified HDMI 2.0 and supplied OEM USB cables; avoid uncertified third-party converters or switchers.



Advanced KVM & Switching Functions

- **0-Second Switching:** Change computers instantly without the normal black-screen delay.
- **Automatic Signal Detection:** Prioritizes the last active input signal at startup.
- **Inactive-Port Hiding:** Skips ports without active video to reduce switching delays.
- **USB 2.0 Sharing:** Shares compatible USB peripherals with the selected computer.
- **RS-232 / EDID Control:** Serial control for switching and supported EDID settings.

Installation Recommendations

- Use HDMI 2.0 certified cable and verify the final 4K signal path.
- Use supplied OEM USB cables for host and peripheral connections.
- Avoid uncertified third-party switchers, converters and adapters.
- Use the specified DC 12V / 1.5A power adapter.
- Verify compatibility with industrial PCs and non-standard USB devices before installation.

PANIO International Co., Ltd.

Web: www.panio.com.tw Email: sales@panio.com.tw