

# 2-Port Dual Monitor 4K DisplayPort USB KVM Switch with Built-In USB 3.0 Hub

UNIMUX™

## Control two dual-head Ultra-HD 4Kx2K 60Hz DisplayPort USB computers with one USB keyboard, USB mouse and two 4K monitors

- Supports Ultra-HD 4Kx2K resolutions to 3840x2160 @60Hz YCbCr 4:4:4, and HDTV resolutions to 1080p @144Hz.
- DisplayPort features supported:
  - DisplayPort 1.2
  - Dolby True HD, DTS HD Master, and stereo audio.
  - YCbCr 4:4:4, YCbCr 4:2:2, and RGB.
  - Up to 12-bit Color
  - Bandwidth up to 21.6 Gbps
- HDCP compliant.
- Compatible with dual-head USB computers (PC and MAC).
- Control the switch through the front panel button or keyboard commands.
  - Keyboard commands available on Windows computers only.
- Four transparent USB 3.0 ports for connecting USB devices such as keyboards, mice, printers, game controllers, USB flash drives, touch screen monitors, whiteboards, etc.
  - Supports SuperSpeed (5 Gbps), high-speed (480 Mbps), full-speed (12 Mbps), or low-speed (1.5 Mbps) USB devices.
  - Backwards compatible with USB 2.0/1.1.
- EDID pass-through supported.
- Quick and easy plug-and-play installation – no drivers required.
- Integrated mounting brackets for easy surface/wall mounting.



UNIMUX-DP4K-2DH (Front & Back)

- **Dual Head**
- **Resolutions to Ultra-HD 4Kx2K 60Hz 4:4:4**
- **21.6 Gbps**
- **DisplayPort 1.2, USB 3.0**

The UNIMUX™ Dual Monitor 4K DisplayPort USB KVM Switch with Built-In USB 3.0 Hub allows a user to control two dual-head Ultra-HD 4Kx2K 60Hz 4:4:4 USB computers with one USB keyboard, USB mouse and two 4K DisplayPort monitors.

## Specifications

### Hosts

- Four female DisplayPort connectors.
- Two Female USB 3.0 Type B connectors.
- Supports dual-head USB-enabled computers (PC and MAC) with DisplayPort video.
- Multiplatform support: Windows 7/8/8.1/10, Mac OS 10/11.
- Compliant with DisplayPort 1.2 and HDCP standards.

### Monitor

- Supports Ultra-HD 4Kx2K resolutions to 3840x2160 @60Hz YCbCr 4:4:4, and HDTV resolutions to 1080p @144Hz.
- Two female DisplayPort connectors.
- Compliant with DisplayPort 1.2 and HDCP standards.

### Devices

- Four transparent USB 3.0 ports for connecting USB devices such as keyboards, mice, printers, game controllers, USB flash drives, touch screen monitors, whiteboards, etc.
  - Supports SuperSpeed (5 Gbps), high-speed (480 Mbps), full-speed (12 Mbps), or low-speed (1.5 Mbps) USB devices.
  - Backwards compatible with USB 2.0/1.1.

### Power

- Input: 110 or 220 VAC at 50 or 60 Hz via AC adapter (included).
- Output: 5VDC, 4A
- Power consumption: 6.5W
- Each USB output port supports full 900mA current.

### Dimensions

- WxDxH: 8.27x2.36x1.4 in (210x60x35.6 mm)

### Cables

- Interface cables between the computers and the switch are required for proper operation.
- Use DP-xx-MM cable to connect a DisplayPort source or display up to 15 feet.
- Use DP8K-FO-xxM-MMLC or DP4K21GB-FO-xxM-MM to connect a DisplayPort source or display up to 100 meters.
- Use DP-HD-xx-MM to connect an HDMI display up to 15 feet.
  - Not compatible with MAC.
- Use DP-DVI-xx-MM to connect a DVI display up to 15 feet.
  - Not compatible with MAC.
- Use DP-VGA-xx-MM to connect a VGA display up to 15 feet.
  - Not compatible with MAC.
- Use USB3-AB-xx-K to connect a USB 3.0 computer to the switch.
- Cables not included.

### Environmental

- Operating temperature: 32 to 158°F (0 to 70°C).

### Regulatory Approval

- CE, FCC, RoHS
- TAA compliant

### Warranty

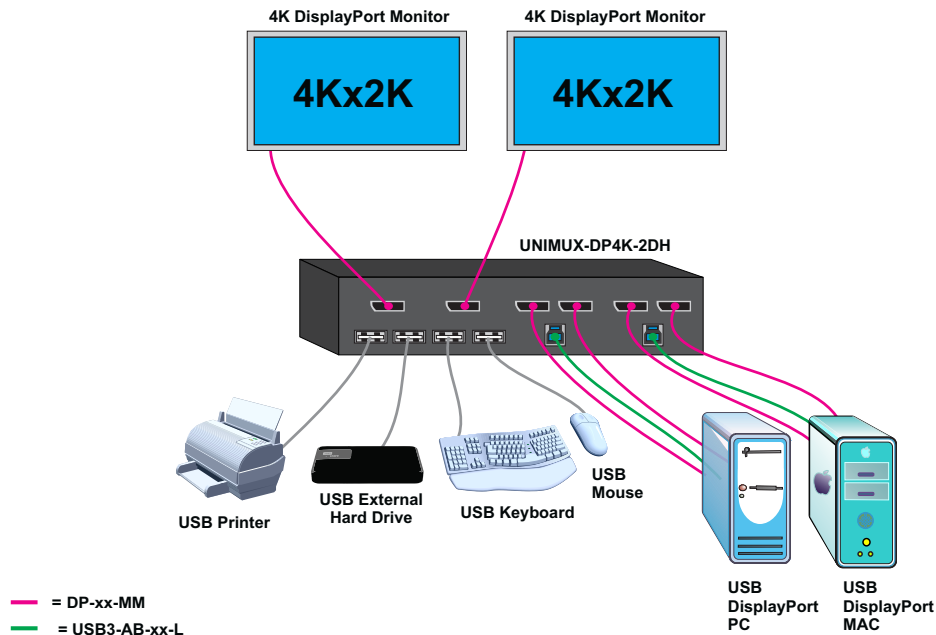
- Two years

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## Configuration and Cable Illustration



## Control Methods

### Front Panel Interface

- Press the button on the front panel interface to switch between ports.
- LEDs indicate currently selected port.

### Keyboard

- Use the keyboard commands the switch to select ports.
  - Double press “Scroll Lock” or “Num Lock” to switch between ports.
  - Supported on Windows computers only.

**NOTE:** When switching between computers, the screen layout will not be as you left it – all open windows will be pushed to the top left corner of the main display.

Reason: The Hot Plug Detect (HPD) signal is no longer detected by the computer when switching to the other computer and then back. The lost HPD signal prompts the computer’s operating system to move the icons to the primary screen desktop.

NTI is working on a solution, but we do not have an ETA at this time. Contact an NTI product consultant for more information on the DisplayPort Hotplug Maintainer.