iDock D23 2×1 Triple Monitor DP KVM Switch Docking Station User Manual

Contents

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Package Contents

Before you start the installation of the product, please check the package contents:

- Switch Docking x 1
- Power Adapter (DC 12V 3A) x 1
- USB 0 Type-A to Type-B Cable x 2
- DP 4a Cable x 6
- User Manual x 1

Features

- 2 in 1 triple-monitor KVM switcher:
  - Each input group support three independent DP input channels, which can be connected to three DP output ports of the PC and extended to three external
  - Each monitor has independent channel, which can support different
- Supports 8K resolution and high refresh rate – supports the standards of DP 1.4a HBR3 and DP 2.0 UHBR13.5, and supports the following resolutions:
  - 8K@60Hz/30Hz
  - 4K@165Hz/144Hz/120Hz/60Hz
  - 3440×1440@144Hz/120Hz/60Hz (UWQHD)
  - 2560×1440@165Hz/144Hz/120Hz/60Hz
  - 1080P@240Hz/165Hz/144Hz/120Hz/60Hz
- Supports 5m input cable and 3m output cable.

Note: please use the cables certified by DP 2.0 and DP1.4a.

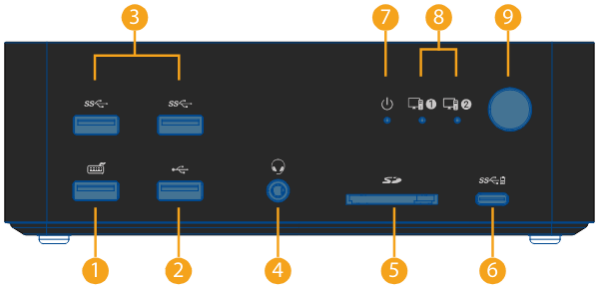
- Supports multiple DP features:
  - MST – Supports DP MST, each DP port can be connected with multiple DP
  - HDR – Supports all HDR
  - VRR – Supports VRR variable refresh
- Multiple Peripherals interfaces:
  - Three USB 3.0 type-A ports with 5Gbps data transmission rate per port, one of the three ports supports 5A current output, and the other two ports share 2A current output.
  - One USB 0 port with 480Mbps data transmission rate, and one USB 1.1 port for keyboard (for hotkey switching).
  - Provides one headset (3.5mm TRRS)
  - One USB-C port, supports for USB-C (5V/1.5A power output) datatransmission.

- One CTL port, supports for connecting an extended button control device (need to purchase separately) for button
- One SDXC card slot (maximum: 2TB) with the maximum transmission rate of 104MB/s.
- One LAN port, support for 1Gb Ethernet
- Supports new generation PC automatic wake-up function – automatically wake up the PC in standby mode

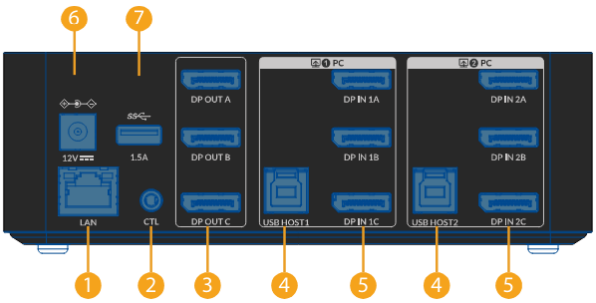
when

- Fast switching time of 2-3s, based on the virtual interaction function.
- New compatibility Hotkey design – fully pass-through mode and newly upgraded hotkey algorithm:
  - All key values are passed-through and compatible with various types of keyboards on the
  - Specially optimized hotkey algorithm for complex gaming keyboards and macro defined
- Supports multiple control options, including button switch, and hotkey
- Provides six high grade DP 4a cables, which can support transmitting 8K signals, and provides two USB 3.0 cables, which can support transmitting 5Gbps signals.

Panel

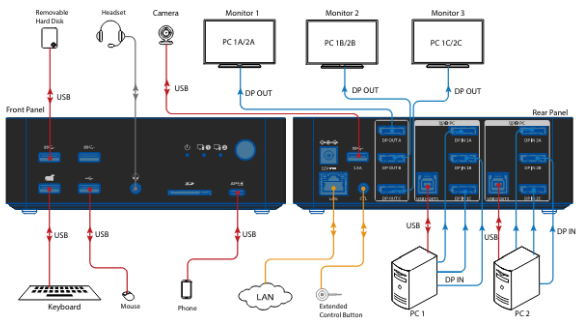


USB-A (USB 1.1) | 2. USB-A (USB 2.0) | 3. USB-A (USB 3.0) | 4. 3.5mmcomposite headphone jack | 5. SDXC card slot | 6. USB-C | 7. Power (LED) | 8. Input Channel (LED) | 9. Button (Switch)



. LAN | 2. CTL | 3. DP OUT (A&B&C) | 4. USB HOST (1&2) | 5. DP IN (1A/1B/1C & DP IN 2A/2B/2C) | 6. Power In (DC 12V) | 7. USB-A (USB 3.0)

Application



When switch input source to group 1 or group 2:

- The connected USB devices, headset and SD card can be connected to Host PC 1 or PC Their switching

follows the source selection.

- When switch to group 1, the display connected to DP OUT A, DP OUT B and DP OUT C will output video from DP IN 1A, DP IN 1B and DP IN 1C When switch to group 2, the display connected to DP OUT A, DP OUT B and DP OUT C will output video from DP IN 2A, DP IN 2B and DP IN 2C respectively.

Note: Please note that all USB-A ports, USB-C ports, headphone jacks, and SD slot switching will follow the DP video output switching.
Additionally, the product has two USB-to-Ethernet modules that are built

into the two USB-B ports, which means that both computers can be connected to the network through USB-B cables, regardless of whether the computer is selected or not. The network should be connected to the LAN port.

Button Control

Users can choose to use front panel button or extended control button to do basic switching operations. Connect the switcher as required and power on all the attached devices. Press the front panel button or press the extended control button to switch sources between Group 1 and Group 2.

Hotkey Function

One USB 1.1 port on front panel of the switcher supports keyboard Hotkey function. This function is enabled by default, and can be set to disabled/enabled through combined keys on the connected keyboard.
Supported Hotkey: **Tab (default), Caps Lock**

Key Operation	**Function**
Hold down “Ctrl” (“Left”) + “Alt” + “Shift” keys and then press “[” key	Enable hotkey.
Hold down “Ctrl” (“Left”) + “Alt” + “Shift” keys and then press “]” key	Disable hotkey.
Press the “Hotkey” twice quickly	Switch to this hotkey.
Hold down “Hotkey” and then press ”1” key	Switch to input group 1.
Hold down “Hotkey” and then press ”2” key	Switch to input group 2.
Hold down “Hotkey” and then press “Left” key	Switch to previous input group (Cycle grou p 2->1).
Hold “Hotkey” and then press “Right”	Switch to next input group (Cycle group 1->2).

For example:

If you want to use the “Caps Lock” as a hotkey, please ensure the hotkey function is enabled, and press the “Caps Lock” key twice quickly to switch the hotkey to it, and other hotkeys are invalid. If you need to use other hotkeys, please repeat the above steps.

Specifications

Technical	
Video Signal	DP in/out supports DP 1.4a and DP 2.0 standards, up to 8K@60Hz
Peripheral and	USB-C x1: Up to 5Gb/s, 1.5A power output.

Technical		
Expansion	USB-A x5: · Three USB 3.0 ports, up to 5Gb/s, two of t hem share 2A current output, and one supports 1.5A current output; · One USB 2.0 port, up to 480Mb/s; · One USB 1.1 port, for keyboard connectio n. SDXC card: Up to 104MB/s, maximum support 2TB. LAN: RJ-45 connector, support for 1Gb Ethernet performance.	
	VESA:	
	800 x 6006, 1024 x 7686, 1280 x 7686, 1280 x 8006,	
	1280 x 9606, 1280 x 10246, 1360 x 7686, 1366 x 7686,	
	1440 x 9006, 1600 x 9006, 1600 x 12006, 1680 x 10506,	
	1920 x 12006, 2048 x 11526, 2560 x 14406,7,8,9,10,	
	3440 x 14406,7,8,9,10	

Input/Output		
Resolution	**CTA:**	
Supported	1280x720P5,6, 1920x1080P1,2,3,4,5,6,7,8,9,10, 11, 3840x2160P1,2,3,4,5,6,7,8,9,10, 4096x2160P1, 2,3,4,5,6,7,8,9,10,	
	5120×28801,2,3,5,6, 7680×43201,2,3,6	
	1 = at 24 (23.98) Hz, 2 = at 25 Hz, 3 = at 30 (29 .97) Hz,	
	4 = at 48 Hz, 5 = at 50 Hz, 6 = 60 (59.94) Hz,	
	7 = at 100Hz, 8 = at 120Hz, 9 = 144Hz, 10 = 16 5Hz,	
	11 = 240Hz	
HDR Format S upported	All HDR formats, including HDR 10, HLG, HDR 10+ and Dolby Vision	
Audio Format Supported	DP: Fully supports audio formats in DP 1.4a sp ecification, including PCM 2.0/5.1/7.1, Dolby Tr ueHD, Dolby Atmos, DTS-HD Master Audio an d DTS:X Headset: Stereo	
Max Data Rate	13.5Gbps per channel	
General		
Operating Temperat ure	0°C to + 45°C (32 to + 113 °F)	
Storage Temperatur e	-20 to +70°C (-4 to + 158 °F)	
Humidity	20% to 90%, non-condensing	
Power Consumption	31.25W (max)	
Device Dimensions (W x H x D)	168mm x 55mm x 110mm/ 6.61’’ x 2.17’’ x 4.33’’	
Product Weight	0.75kg/1.65lbs	

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References

- User Manual