

TECHNICAL SPECIFICATIONS

VIDEO	
Format	DisplayPort1.2a
Input Interface	(4) DisplayPort
Output Interface	(2) HDMI
Input Resolution	Up to 4K (3840 x 2160 @ 60 Hz)
Output Resolution	Up to 4K (3840 x 2160 @30 Hz)
DDC	5 volts p-p (TTL)
Input Equalization	Automatic
Input Cable Length	Up to 20 ft
Output Cable Length	Up to 20 ft
USB	
Input Interface	(8) USB Type B
Output Interface	(2) USB 1.1 Type A for KM Devices
Emulation	USB 1.1 and USB 2.0 Compatible
CAC	Configurable USB 2.0 Port
AUDIO	
Audio Input	(4) 3.5mm stereo audio
Audio Output	(1) 3.5mm stereo audio
CONTROL	
Front Panel	Front panel SELECT buttons
OTHER	
Power	External 100-240 VAC/ 12VDC2A @ 24W
Dimensions	12.57" W x 2.7" H x 6.69" D
Weight	4.2 lbs
Approvals	NIAP PP 3.0, UL, CE, ROHS Compliant
Operating Temp.	32 to +104 °F (0 to +40 °C)
Storage Temp.	-4 to 140 °F (-20 to +60 °C)
Humidity	Up to 80% (no condensation)

WHAT'S IN THE BOX

PART NO.	QTY	DESCRIPTION
DPMST-4S-P	1	4 Port Secure KVM DP MST with Dual 4K HDMI Out and CAC support
PS12VDC2A	1	12-VDC, 2-A power adapter with center-pin positive polarity.
	1	Quick Start Guide

NOTICE

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20170518



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iPGARD™

Secure 4-Port Single Head DP to
2 x HDMI Switch with CAC

DPMST-4S-P



4 Port Secure KVM DP MST
with Dual 4K HDMI Out and
CAC support

Quick Start Guide

A full manual can be downloaded from
www.ipgard.com/documentation/

EDID LEARN

The KVM switch is designed to learn a connected monitor's EDID upon power up. In the event of connecting a new monitor to the KVM a power recycle is required.

The KVM switch will indicate the unit's EDID learn process is active by flashing the front panel's LEDs in sequential order. Starting with the LED above button "1" on the front panel, each LED will flash green for approximately 10 seconds upon beginning the EDID learn. Once all the LEDs stop flashing, the LEDs will cycle and the EDID learn will be complete.

If the KVM switch has more than one video board (such as dual-head and quad-head models), then the unit will continue to learn the EDIDs of the connected monitors and indicate the progress of the process by flashing the next port selection green and blue push-button LEDs respectively.

A monitor must be connected to the video output port located in the console space at the back of the KVM switch during the EDID learn process.

If the read EDID from the connected monitor is identical to the current stored EDID in the KVM switch, then the EDID learn function will be skipped.



HARDWARE INSTALLATION

1. Ensure that power is turned off or disconnected from the unit and the computers.
2. Use Display Port cables to connect the Display Port output ports from each computer to the corresponding Display Port in ports of the unit.
3. Use a USB cable (Type-A to Type-B) to connect a USB port on each computer to the respective USB ports of the unit.
4. Optionally, for CAC models, connect a CAC (Common Access Card, Smart Card Reader) to the CAC port in the user console interface.
5. Optionally, connect a stereo audio cable (3.5 mm to 3.5 mm) to connect the audio output of the computer(s) to the audio in ports of the unit.
6. Connect monitor(s) to the HDMI out console ports of the unit using HDMI cable(s).
7. Connect a USB keyboard and mouse in the two USB console ports.
8. Optionally, connect stereo speakers to the audio out port of the unit.
9. Finally, power on the secure KVM switch by connecting a 12-VDC power supply to the power connector, and then turn on all the computers.

Note: You can connect two monitors to the single-head KVM switch and four monitors to the dual-head KVM switch. The computer connected to port 1 will always be selected by default after power up.

