TECHNICAL SPECIFICATIONS

VIDEO	
Format	DVI-D Dual Link
Host Interface	(8) DVI-D (female)
User Console Interface	(2) DVI-D (female)
Max Resolution	1080p and 4K/30Hz
DDC	5 volts p-p (TTL)
Input Equalization	Automatic
Input Cable Length	Up to 20 ft.
Output Cable Length	Up to 20 ft.
USB	
Signal Type	USB 1.1 and 1.0 Keyboard and Mouse only. USB 2.0 for CAC connection.
USB Type B Inputs	(8) Keyboard-Mouse; (2) CAC
User Console Output Interface	(8) Dual USB Type-A for keyboard/mouse connection. (2) Single USB Type-A for CAC connection.
AUDIO	
Input	(8) Connector Stereo 3.5mm Female
Output	(2) Connector Stereo 3.5mm Female
POWER	
Power Requirements	12V DC, 2A power adapter with center-pin positive polarity
ENVIRONMENT	
Operating Temp	32° to 104° F (0° to 40° C)
Storage Temp	-4° to 140° F (-20° to 60° C)
Humidity	0-80% RH, non-condensing
CERTIFICATIONS	
Security Accreditation	Common Criteria Validated To NIAP, Protection Profile PSS Ver. 3.0
OTHER	
Emulation	USB 1.1 and USB 2.0 Compatible
Control	Front Panel Buttons

WHAT'S IN THE BOX

PART NO.	QTY	DESCRIPTION
SDVN-82-X	1	8-port, Secure DVI-D KVM Matrix Switch (2 Users)
PS12VDC2A	1	12V DC, 2A power adapter with center-pin positive polarity.
	1	Quick Start Guide

NOTICE

20170518

DESIGNED AND MADE IN THE USA

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3291 N. Jones Blvd.,
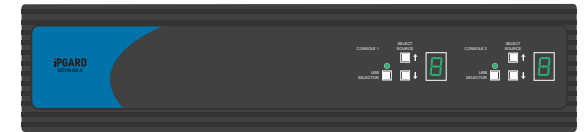**Las Vegas, NV 89108**

iPGARD.COM

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SDVN-82-X

Secure KVM Matrix Switch

Advanced 8-Port Secure DVI-D Matrix KVM Switch with Audio, KB/Mouse USB Emulation and CAC Support (2 Users)

Quick Start Guide

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

EDID LEARN

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

The Secure 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.

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

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

A full Manual can be downloaded from www.ipgard.com/documentation/
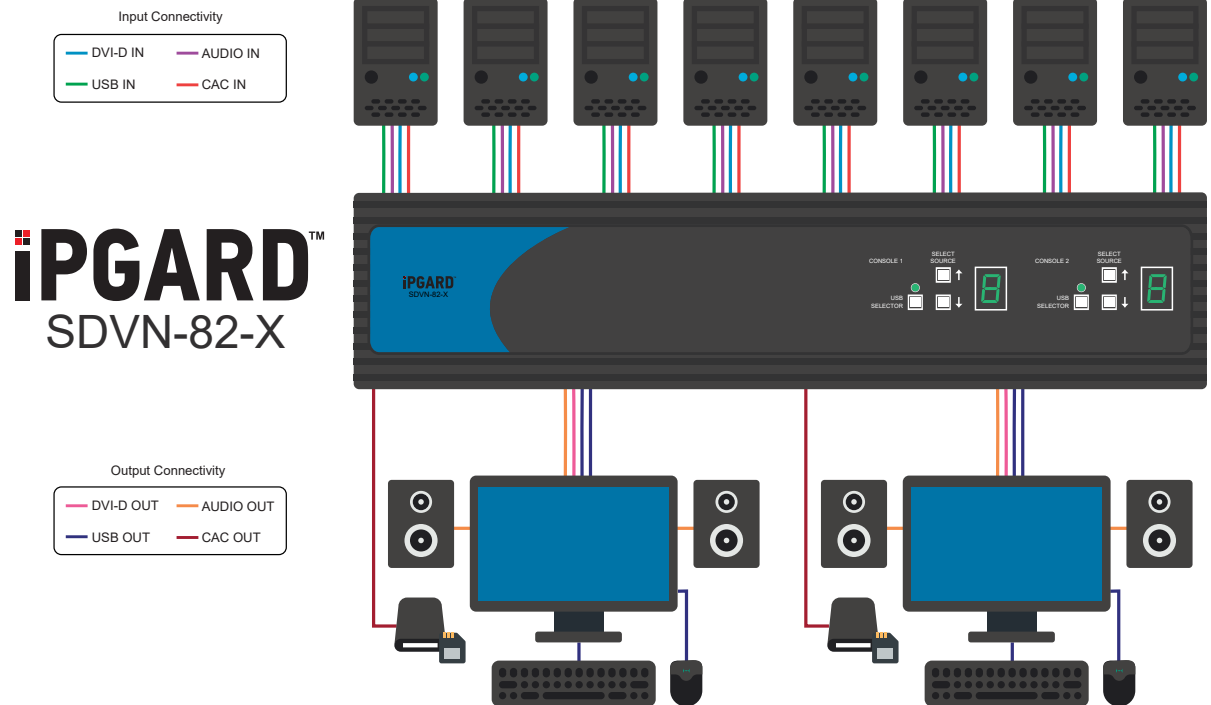
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HARDWARE INSTALLATION

1. Ensure that power is turned off or disconnected from the unit and the computers.
2. Use a DVI cable to connect the DVI output port from each computer to the corresponding DVI-D 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 connect a stereo audio cable (3.5mm to 3.5mm) to connect the audio output of the computers to the AUDIO IN ports of the unit.
5. Connect a monitor to the DVI-D OUT console port of the unit using a DVI cable.
6. Connect a USB keyboard and mouse in the two USB console ports.
7. Optionally connect stereo speakers to the AUDIO OUT port of the unit.
8. Optionally connect CAC (COMMON ACCESS CARD, SMART CARD READER) to the CAC port in the user console interface.
9. Finally, power on the KVM by connecting a 12VDC power supply to the power connector, and then turn on all the computers.

Note: The computer connected to port 1 will always be selected by default after power up.
Note: You can connect up to 8 computers to the 8 port KVM.

Input Connectivity
- DVI-D IN
- AUDIO IN
- USB IN
- CAC IN

iPGARD™
SDVN-82-X

Output Connectivity
- DVI-D OUT
- AUDIO OUT
- USB OUT
- CAC OUT

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