TECHNICAL SPECIFICATIONS

VIDEO	
Host Interface	4-Port (2 Users): (4) DVI-D 29-pin F; 4-Port (4 Users): (4) DVI-D 29-pin F; 8-Port (2 Users): (8) DVI-D 29-pin F; 8-Port (4 Users): (8) DVI-D 29-pin F
User Console Interface	4-Port (2 Users): (2) DVI-D 29-pin F; 4-Port (4 Users): (4) DVI-D 29-pin F; 8-Port (2 Users): (2) DVI-D 29-pin F; 8-Port (4 Users): (4) DVI-D 29-pin F
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 Connectors	4-Port (2 Users): (4) K/M & (2) CAC; 4-Port (4 Users): (4) K/M & (4) CAC; 8-Port (2 Users): (8) K/M & (2) CAC; 8-Port (4 Users): (8) K/M & (4) CAC
User Console Interface	4-Port (2 Users): (4) Dual USB Type-A for K/M & (2) Single USB Type-A for CAC; 4-Port (4 Users): (4) Dual USB Type-A for K/M & (4) Single USB Type-A for CAC; 8-Port (2 Users): (8) Dual USB Type-A for K/M & (2) Single USB Type-A for CAC; 8-Port (4 Users): (8) Dual USB Type-A for K/M & (4) Single USB Type-A for CAC
AUDIO	
Input	4-Port (2 Users): (4) Connector Stereo 3.5mm F; 4-Port (4 Users): (4) Connector Stereo 3.5mm F; 8-Port (2 Users): (8) Connector Stereo 3.5mm F; 8-Port (4 Users): (8) Connector Stereo 3.5mm F
Output	4-Port (2 Users): (2) Connector Stereo 3.5mm F; 4-Port (4 Users): (4) Connector Stereo 3.5mm F; 8-Port (2 Users): (2) Connector Stereo 3.5mm F; 8-Port (4 Users): (4) Connector Stereo 3.5mm F
POWER	
Power Requirements	12-VDC, 2-A power adapter with center-pin positive polarity
CERTIFICATION	
Security Accreditation	Common Criteria Validated To NIAP, Protection Profile PSS Ver. 3.0
ENVIRONMENT	
Operating Temp	32° to 104° F (0° to 40° C)
Storage Temp	-4° to 140° F (-20° to 60° C)
Humidity	0-80% relative humidity, noncondensing
OTHER	
Emulation	Keyboard, mouse, and video
User Controls	Front-panel buttons

WHAT'S IN THE BOX

PART NO.	QTY	DESCRIPTION
SDVN-42-X	Either 1 of these models	4-Port, Secure DVI-D KVM Matrix Switch (2 Users)
SDVN-44-X		4-Port, Secure DVI-D KVM Matrix Switch (4 Users)
SDVN-82-X		8-Port, Secure DVI-D KVM Matrix Switch (2 Users)
SDVN-84-X		8-Port, Secure DVI-D KVM Matrix Switch (4 Users)
PS12VDC2A	1	12-VDC, 2-A power adapter with center-pin positive polarity.
	1	Quick Start Guide

NOTICE

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iPGARD™

4 or 8 Port DVI-D secure KVM matrix switch models

SDVN-42-X, SDVN-44-X, SDVN-82-X and SDVN-84-X

Advanced 4-Port or 8-Port Secure DVI-D Matrix KVM Switch with Audio, KB/Mouse USB Emulation and CAC Support (2 or 4 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.

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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: You can connect up to 4 computers to the 4 port KVM. The computer connected to port 1 will always be selected by default after power up.

FIGURE 1. DVI-D CONNECTOR

DVI-D (Dual link) Connector

FIGURE 2. 4-PORT APPLICATION DIAGRAM

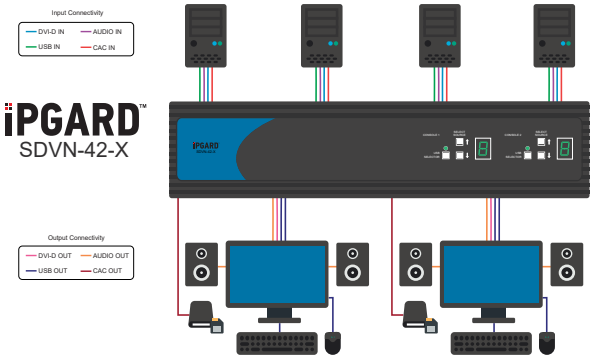

FIGURE 3. 8-PORT APPLICATION DIAGRAM