TECHNICAL SPECIFICATIONS

VIDEO	
Format	HDMI
Host Interface	(1) HDMI 19-pin F
User Console Interface	(1) HDMI 19-pin F
Max Resolution	3840 x 2160 @ 60Hz
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	(1) Keyboard-Mouse; (1) CAC
User Console Output Interface	(2) USB Type-A for keyboard and mouse connection only. (1) USB Type-A for CAC connection.

AUDIO	
Input	(1) Connector Stereo 3.5mm Female
Output	(1) Connector Stereo 3.5mm Female

POWER	
Power Requirements	12V DC, 3A 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. 4.0

OTHER	
Emulation	USB 1.1 and USB 2.0 Compatible
Control	Front Panel Buttons

WHAT'S IN THE BOX

PART NO.	QTY	DESCRIPTION
SA-UHN-1S-P	1	1-port, Secure HDMI KVM Isolator
PS12VDC3A	1	12VDC, 3A power adapter with center-pin positive polarity.
	1	Quick Start Guide

NOTICE

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DESIGNED AND MADE IN THE USA

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iPGARD.COM

iPGARD™

SA-UHN-1S-P

Secure KVM Isolator

Advanced 1-Port Secure
Single-Head HDMI
KVM Isolator

Quick Start Guide

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

EDID LEARN

The KVM 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 will indicate the unit's EDID learn process is active by flashing the front panel's LED. The LED will flash green for approximately 10 seconds upon beginning the EDID learn. Once the LED stop flashing, the power 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 KVM during the EDID learn process.

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

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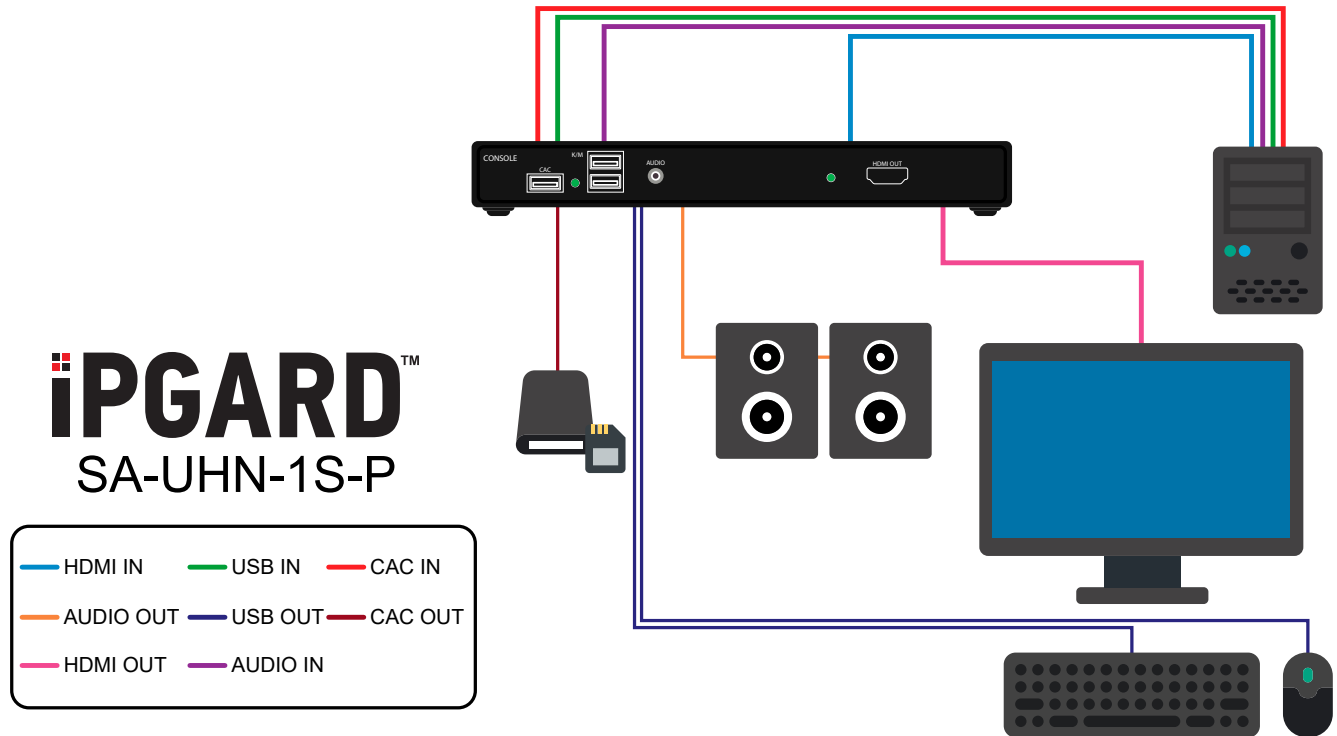www.ipgard.com/documentation/

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HARDWARE INSTALLATION

1. Ensure that power is turned off or disconnected from the unit and the computer.
2. Use a HDMI cable to connect the HDMI output port from the computer to the corresponding HDMI IN port of the unit.
3. Use a USB cable (Type-A to Type-B) to connect a USB port on the 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 a monitor to the HDMI OUT console port of the unit using a HDMI cable.
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 KVM by connecting a 12VDC power supply to the power connector, and then turn on the computer.

Note: You can connect 1 computer to the 1 port KVM.

iPGARD™
SA-UHN-1S-P

— HDMI IN	— USB IN	— CAC IN
— AUDIO OUT	— USB OUT	— CAC OUT
— HDMI OUT	— AUDIO IN	

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