TECHNICAL SPECIFICATIONS

Format HDMI Host Interface (1) HDMI 19-pin F User Console (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. 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 (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 Interface (1) Connector Stereo 3.5mm Female POWER Power Requirements (1) Connector Stereo 3.5mm Female POWER Power Requirements (1) Connector Stereo 3.5mm Female Control Connection Profile PSS Ver. 4.0 OTHER Emulation USB 1.1 and USB 2.0 Compatible Control Front Panel Buttons		IFICATIONS
Host Interface User Console Interface (1) HDMI 19-pin F Max Resolution 3840 x 2160 @ 60Hz DDC 5 volts p-p (TTL) Input Equalization Input Cable Length Up to 20 ft. Output Cable Length Up to 20 ft. USB 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 (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 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 CERTIFICATIONS Security Accreditation USB 1.1 and USB 2.0 Compatible	VIDEO	
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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	Operating Temp	32° to 104° F (0° to 40° C)
CERTIFICATIONS Security Accreditation Common Criteria Validated To NIAP, Protection Profile PSS Ver. 4.0 OTHER Emulation USB 1.1 and USB 2.0 Compatible	Storage Temp	-4° to 140° F (-20° to 60° C)
Security Accreditation Common Criteria Validated To NIAP, Protection Profile PSS Ver. 4.0 OTHER Emulation USB 1.1 and USB 2.0 Compatible	Humidity	0-80% RH, non-condensing
Security Accreditation NIAP, Protection Profile PSS Ver. 4.0 OTHER Emulation USB 1.1 and USB 2.0 Compatible	CERTIFICATIONS	
Emulation USB 1.1 and USB 2.0 Compatible	Security Accreditation	NIAP, Protection Profile PSS
Compatible	OTHER	
Control Front Panel Buttons	Emulation	
	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

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/

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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.

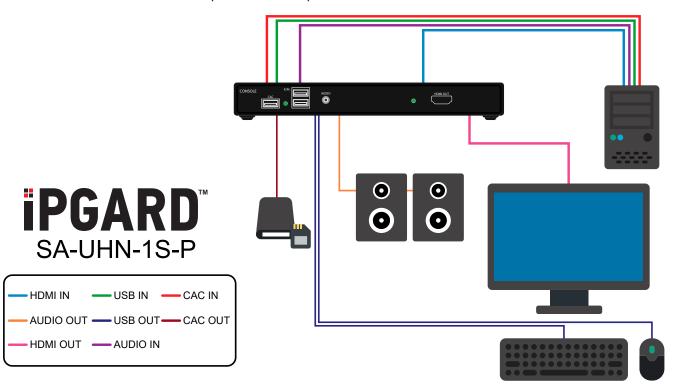
A full Manual can be downloaded from www.ipgard.com/documentation/



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.



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