

GCS1228TAA3

# 8-Port Dual View Dual-Link DVI Secure KVM Switch (TAA)



- **NIAP-Certified PP3.0**  
Validated to Protection Profile v3.0 for Peripheral Sharing Switches
- **CAC & Biometrics Support**  
Dedicated peripheral port for authorized CAC readers only and supported Biometrics readers<sup>1</sup>
- **8-Port Dual View Dual-Link DVI Secure KVM Switch**  
One USB console controls 8 secure computers on 2 displays
- Superior 4K UHD Video Resolution

[Secure KVM Switch Series PP3.0 Flyer](#)

## 8-Port Dual Monitor Secure DVI KVM Computer Switch - Protection Profile 3.0

IOGEAR's 8-Port Dual View Dual-Link DVI Secure KVM Switch is NIAP-certified and compliant with PP3.0 (Protection Profile for Peripheral Sharing Switch version 3.0) requirements, satisfying the latest security requisites set by the U.S. Department of Defense for peripheral sharing switches.

Common criteria compliance ensures maximum information security while sharing a single set of approved HID's - keyboards, mice, speakers, CAC readers, and Microsoft Biometric Readers - between multiple computers. Conformity with Protection Profile v3.0 certifies that non-approved USB peripherals will be rejected and cannot be connected to the Secure KVM, providing high-level security, protection, and data safekeeping.

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| <ul style="list-style-type: none"> <li>• <b>NIAP-Certified PP3.0</b><br/>Validated to Protection Profile v3.0 for Peripheral Sharing Switches</li> <li>• <b>CAC &amp; Biometrics Support</b><br/>Dedicated peripheral port for authorized CAC readers only and supported Biometrics readers<sup>1</sup></li> <li>• <b>8-Port Dual View Dual-Link DVI Secure KVM Switch</b><br/>One USB console controls 8 secure computers on 2 displays</li> <li>• Superior 4K UHD Video Resolution</li> <li>• Dual-Link Resolution: 2560 x 1600; 4K UHD Resolution: 3840 x 2160 @30Hz<sup>2</sup></li> <li>• Port Selection via Push-Button for Enhanced Security<br/>Keyboard restrictions - OSD &amp; hotkey methods are not allowed</li> <li>• Isolated Channel per Port<br/>Unidirectional data flow restricts data leakage between connected computers</li> <li>• Active Chassis Intrusion Detection<br/>Compromising the unit's cover renders the switch inoperable</li> <li>• Tamper-Evident Seals<br/>Visually detect attempts to gain access to switch's internal components</li> </ul> | <ul style="list-style-type: none"> <li>• <b>Tamper-Proof Hardware</b><br/>Integrated circuits are soldered directly onto the circuit board to hinder component sabotage</li> <li>• <b>Non-Reprogrammable Firmware</b><br/>Prevents tampering and attempts to reprogram the switch's firmware</li> <li>• <b>Clears Keyboard Buffer</b><br/>Data clears automatically after transmission to switch and resets</li> <li>• <b>Analog Speaker Support</b></li> <li>• <b>Secure audio data input does not convert digital audio to analog audio</b></li> <li>• <b>Multiplatform Support</b><br/>Windows® 2000, Vista, 7, 8, 8.1, 10, Linux, Mac OS X, &amp; Sun</li> <li>• <b>Rugged Metal Enclosure</b><br/>Durable, Full Metal Chassis</li> <li>• <b>Build-In, Internal Power Supply</b></li> </ul> |
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<sup>1</sup>Compatible with Microsoft® LifeCam HD-3000 and Microsoft Fingerprint Reader

<sup>2</sup>IOGEAR Dual-Link DVI Secure KVM Switch series supports 3840 x 2160 @30Hz video output on compatible 4K HDMI-interfaced monitors and/or computers used with IOGEAR's HDMI-to-DVI KVM cables





## Requirements

## Package Contents

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| <ul style="list-style-type: none"> <li>• <b>Console</b></li> <li>• DVI monitors capable of the highest resolution that you will be using on any computer in the installation</li> <li>• Standard 104-key wired USB or PS/2 keyboard</li> <li>• Standard 2 or 3 button wired USB or PS/2 mouse</li> <li>• Speaker (optional)</li> <li>• USB Smart card or CAC (Common Access Card) reader (Optional)</li> <li>•</li> <li>• <b>Computers</b></li> <li>• 2 x DVI Video output connectors</li> <li>• A USB Type A port for keyboard and mouse</li> <li>• A USB Type A port for Smart Card or CAC reader (Optional)</li> <li>• A 3.5mm jack Audio port for speaker (Optional)</li> <li>•</li> <li>• <b>Cables</b></li> <li>• Do not attach cables that has microphone or line-in audio input</li> <li>•</li> <li>• <b>Operating Systems</b></li> <li>• Windows 2000, Windows Vista, Windows 7, Windows 8, Windows 8.1, Windows 10</li> <li>• Linux: Kernel 2.6+, RedHat v6.0+, SuSE v8.2+, Mandriva (Mandrake) v9.0+</li> <li>• UNIX: AIX v4.3+, FreeBSD v3.51+, Sun Solaris v9+</li> <li>• Novell Netware v5.0+</li> <li>• Mac OS v9+</li> <li>• DOS v6.2+</li> </ul> | <ul style="list-style-type: none"> <li>• 1 x 8-Port Dual View Dual-Link DVI Secure KVM Switch</li> <li>• 1 x Power Cord</li> <li>• 1 x Manual</li> <li>• 1 x Warranty</li> </ul> |
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## Specifications

Function	GCS1228TAA3	Dimensions	GCS1228TAA3
<b>Computer Connections</b>		<b>Unit Dimensions</b>	
Direct	8	Height	2.75" (6.985cm)
<b>Port Selection</b>		Length	17" (43.18cm)
<b>Console Connectors</b>		Depth	8" (20.32cm)
Monitor	2 x DVI Female (Black)	<b>Unit Package Dimensions</b>	
Keyboard	1 x 6-pin Mini-DIN Female (Purple); 1 x USB Type-A Female (Black)	Height	12.75" (32.38cm)
Mouse	1 x 6-pin Mini-DIN Female (Green); 1 x USB Type-A Female (Black)	Width	19.75" (50.16cm)
Audio	1 x Mini Stereo 3.5mm Jack Female (Green)	Depth	5.25" (13.34cm)
Microphone	N/A	<b>Master Carton</b>	
CAC	1 x USB Type-A Female (Black)	Height	14" (35.56cm)
<b>CPU Connectors</b>		Width	20.25" (51.44cm)
Monitor	16 x DVI Female (Black)	Depth	17.25" (43.82cm)
Keyboard & Mouse	8 x USB Type-B Female (White)	Master Carton Qty.	3
Audio	8 x Mini Stereo 3.5mm Jack Female (Green)	<b>Weight</b>	
Microphone	N/A	Master Carton Wt.	27.8lb (12.6kg)
CAC	8 x USB Type-B Female (White)	Unit Pack Wt.	9.10lb (4.14kg)
<b>Switches</b>		Unit Wt.	7.15lb (3.25kg)
F/W Upgrade	N/A		
Port Selection	8 x Pushbuttons		
Reset	1 x Semi-recessed Pushbutton		
Power	1 x Rocker		
<b>LEDs</b>			
On Line	8 x Orange		
Selected	8 x Orange		
CAC	8 x Green		
Power On	1 x Blue		
Key Lock	3 x Green (Num Lock, Caps Lock, Scroll Lock)		
Console Video	2 x Green (Rear Panel)		
<b>Emulation</b>			
Keyboard	USB		
Mouse	USB		
<b>Scan Interval</b>			
N/A			
<b>Power</b>			
Amps			
Voltage	100 - 240V, 50 - 60Hz		
<b>Environment</b>			
Operation Temperature	0 - 50C		
Storage Temperature	-20 - 60C		
Humidity	0 - 80% RH, Non-condensing		
<b>Housing</b>			
Case	Metal		
<b>Video Resolution</b>			
3840 x 2160 @ 30Hz (with compatible 4K HDMI monitor and/or sources); 2560 x 1600			

at Home at Work on-the-Go

