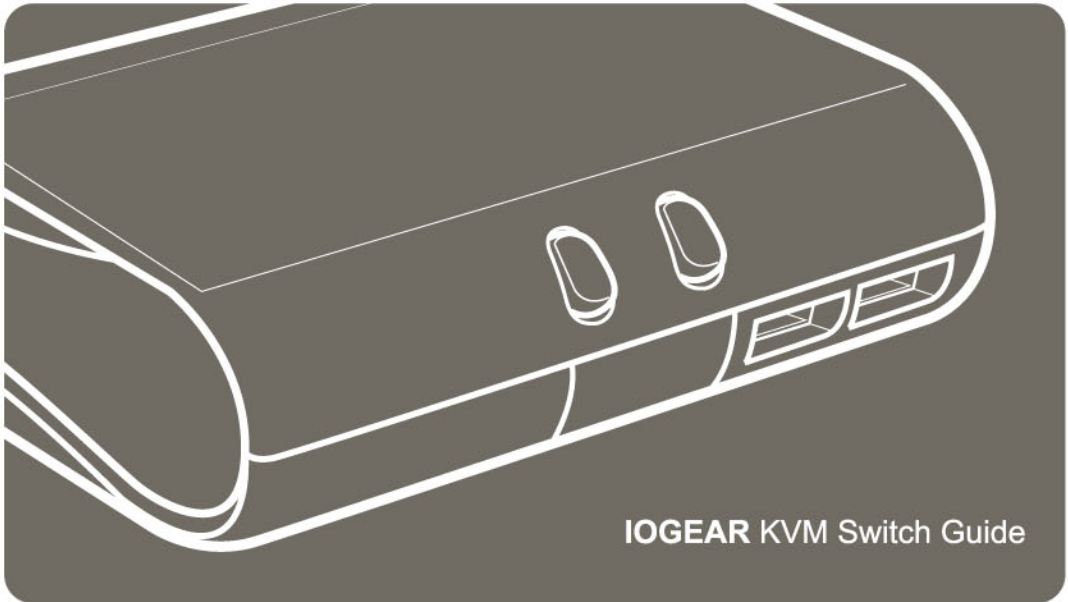




KVM Switch Guide



## Intro to KVM - KVM Basics

### What is a KVM?

- KVM stands for “Keyboard, Video, and Mouse”
- It allows you to control multiple computers from a single Keyboard, Video monitor, and Mouse (“console”)
- By using a KVM, you’ll save money on redundant hardware, conserve desk space, and money
- You’ll also save time spent moving from one computer to another
- Increase performance by having multiple computer work as one
- You can extend the life of older computers by continuing to use them for word processing, spreadsheets and other tasks while using your newer, faster system for multimedia, gaming, and other jobs

### KVM Legend

computer connections



PS/2



USB

console connections



PS/2



USB

monitor connections



VGA



DVI

audio cable connections



Computer connections: The types of connections on your computer

Console connections: The types of plugs on your keyboard, mouse and monitor



## Intro to KVM - KVM Basics

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### Why use a KVM?

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Recycle those old personal computers.

If you have an outdated computer that is collecting dust in a closet welcome to the club. In San Francisco alone an estimated 360,000 computers are retired each year.

Fortunately, there are options available to reuse and re-constitute those computers. Many computer applications are not CPU specific meaning the speed of the computer does not affect their performance. Do you burn CDs or DVDs? Put your burners in the old computer and free your new computer for other tasks.

Here's how you can increase your productivity and speed:

The IOGEAR KVM Switches are an affordable switching solutions that save workspace while giving you control of multiple computers from one console (1 Keyboard, Video and Mouse). The KVM frees up desktop space and draws power from the keyboard, eliminating the need for a power supply. Most importantly, it gives you multiple computers working as one. Now you can create your CDs or DVDs without interrupting the process and creating errors.

This will allow you put your old computers back to work and become more productive in the process.

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## Intro to KVM - KVM Basics

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### What is a KVMP?

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- KVMP stands for "Keyboard, Video, Mouse, and Peripheral"
- It allows you to control multiple computers and peripherals from a single Keyboard, Video monitor, and Mouse ("console")
- KVMPs were invented by IOGEAR
- KVMPs offer USB peripheral sharing capabilities
- By using a KVMP, you'll save money on redundant monitors, keyboards and mice, and peripherals such as printers, scanners, speakers and other hardware as well as conserve desk space and money
- You'll also save time spent moving from one computer to another



## Intro to KVM - KVM Basics

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### What makes a good KVM Switch?

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- Electronic KVM Switches with microprocessors
- Fast and safe switching without risk of electrical surges
- Use keyboard to perform switching functions (Hotkey control)
- Use a menu display to perform switching functions (On Screen Display or OSD)
- Excellent video resolution
- Keyboard and mouse emulation
- Boot multiple computers simultaneously, no mouse delay after switching



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## INTRO TO KVM - The IOGEAR Advantage

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- All IOGEAR 2-port and 4-port switches come with premium bonded cables
  - Keyboard and mouse emulation – boot multiple computers simultaneously; no mouse delay after switching
  - Patented VSE Video Signal Enhancement® technology – supports up to 2048 x 1536 resolution
  - Most switches support PC and/or Mac operating systems, and support USB or PS/2 connections
  - Reliability: IOGEAR manufactures and engineers KVM products with quality and pride, and backs its products with a solid 3 year warranty
  - Service & Support: IOGEAR provides free US-based support via toll-free phone lines and e-mail

## Intro to KVM - The IOGEAR Advantage

### Two-level Switching / Patented USB Sniffing Technology

#### Two-level Switching:

- IOGEAR's KVMP Switches allow you to switch between computers without switching the peripherals
- This means that you can start burning a CD or printing a file on one computer and then switch the console to use another computer without interrupting the CD burner, printer or other peripheral

#### IOGEAR's patented USB Sniffing Technology:

- This powerful technology, exclusive to IOGEAR, allows our USB KVMP Switches to recognize USB keyboards and mice, making keyboard and mouse emulation possible
- This allows you to start multiple computer simultaneously and eliminate delays when switching between computers
- Sniffing makes On Screen Display (OSD) and Hotkey features possible\*
- Sniffing gives you advanced control of your USB KVM switch from your monitor or keyboard

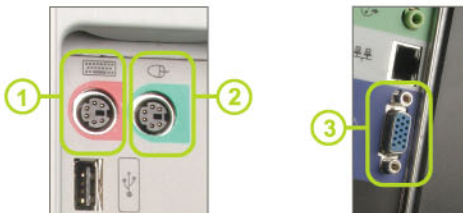
\*OSD and Hotkeys are available on many IOGEAR PS/2 KVM Switches

## Intro to KVM - My KVM

### Which **PS/2** KVM is right for me?

- Choose a KVM for PS/2 computers if you have these types of connections on your computer:

1. PS/2 keyboard connection
2. PS/2 mouse connection
3. HDDB15 female VGA connection



### Which **USB** KVM is right for me?

- Choose a KVM for USB computers if you have these types of connections on your computer:

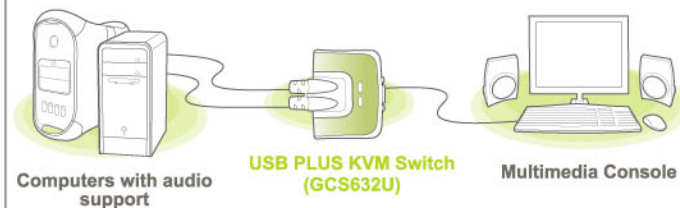
1. USB type A connection for keyboard, mouse and peripherals (1 USB port for each device)
2. HDDB15 female VGA connection



## KVMs for 2 computers / MiniView™ USB PLUS KVM Switch

	model #	OS Support	computer connection	console connection	VSE	resolution	audio support	peripheral sharing	cables included
	GCS632U (2-Port)	WINDOWS LINUX MAC SUN SOLARIS	USB	USB	YES	2048x1536	YES	NO	BUILT-IN

Control 2 USB computers from a single USB keyboard, monitor and USB mouse, with audio support



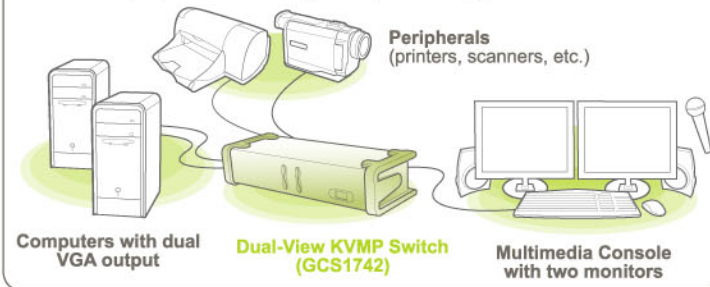
## KVMs for 2 computers

	model #	OS Support	computer connection	console connection	VSE	resolution	audio support	peripheral sharing	cables included
	GCS62 (2-Port)	WINDOWS LINUX MAC	PS/2	PS/2	YES	1920 x 1440	NO	NO	BUILT-IN
	GCS612A (2-Port)	WINDOWS LINUX MAC	PS/2	PS/2	YES	2048x1536	YES	NO	BUILT-IN
	GCS712U (2-Port)	WINDOWS LINUX MAC	USB	PS/2	YES	2048x1536	YES	NO	BUILT-IN
	GCS1732 (2-Port)	WINDOWS LINUX MAC SUN SOLARIS	USB or PS/2	USB	YES	2048x1536	YES	YES	YES

## KVMs for 2 computers / MiniView™ Dual-View KVMP Switch



	model #	OS Support	computer connection	console connection	VSE	resolution	audio support	peripheral sharing	cables included
	GCS1742 (2-Port)	WINDOWS LINUX MAC	USB	USB	YES	2048x1536	YES	YES	YES

Control two dual-display computers from a single console that consists of a USB keyboard, USB mouse, and two VGA, SVGA, or Multisync monitors. Share USB peripherals such as printers, scanners, portable hard drivers.



(GCS1742) 2 port model shown, front and back view

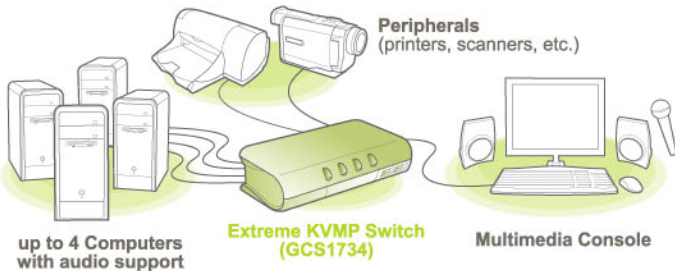
## KVMs for 2 computers

	model #	OS Support	computer connection	console connection	VSE	resolution	audio support	peripheral sharing	cables included
	GCS82B (2-Port)	WINDOWS LINUX SUN SOLARIS	PS/2	PS/2	YES	2048x1536	NO	NO	YES
	GCS102U (2-Port)	WINDOWS LINUX SUN SOLARIS	USB	USB	YES	1920 x 1440	NO	YES	YES

## KVMs for 2 to 4 computers / MiniView™ Extreme KVM with audio





	model #	OS Support	computer connection	console connection	VSE	resolution	audio support	peripheral sharing	cables included
	GCS1734 (4-Port)	WINDOWS LINUX MAC SUN SOLARIS	PS/2 or USB	USB	YES	2048x1536	YES	YES	YES

Control 2 USB or PS/2 computers with a single keyboard, monitor and mouse; share speakers and peripherals




(GCS1732) 2 port and  
(GCS1734) 4 port models shown

## KVMs for 2 to 4 computers

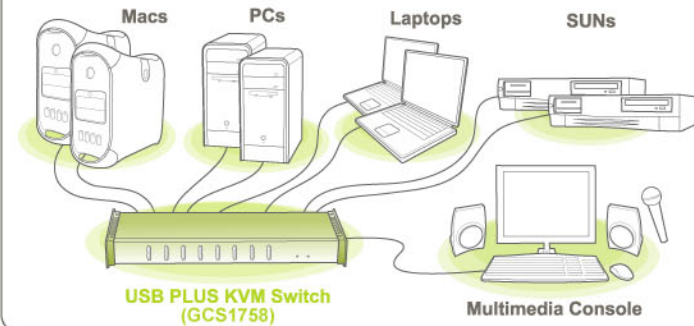
	model #	OS Support	computer connection	console connection	VSE	resolution	audio support	peripheral sharing	cables included
	GCS614A (4-Port)	WINDOWS LINUX MAC	PS/2	PS/2	YES	2048x1536	NO	NO	BUILT-IN
	GCS84B (4-Port)	WINDOWS LINUX MAC	PS/2	PS/2	YES	2048x1536	NO	NO	YES
	GCS104U (4-Port)	WINDOWS MAC SUN SOLARIS	USB	USB	YES	1920 x 1440	NO	YES	YES
	GCS1744 (4-Port)	WINDOWS LINUX MAC	USB	USB	YES	2048x1536	YES	YES	YES



## KVMs for 2 to 8 computers / MiniView™ Ultra+ KVM Switch with audio



	model #	OS Support	computer connection	console connection	on screen display	VSE	resolution	audio support	peripheral sharing	total capacity
	GCS1758 (8-Port)	WINDOWS LINUX MAC	USB or PS/2	USB	YES	YES	2048 x 1536	NO	NO	512 thru cascading

Control 8 USB or PS/2 computers with a single keyboard, monitor and mouse




(GCS1758) 8 port model shown, front and back view

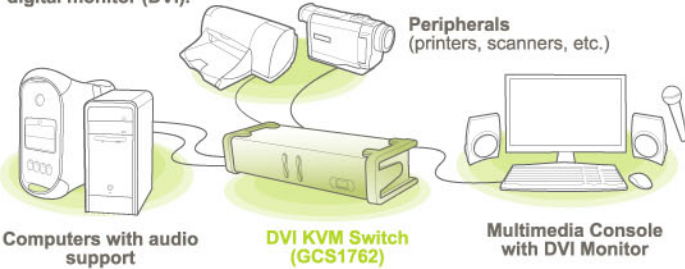
## KVMs for 2 to 8 computers

	model #	OS Support	computer connection	console connection	on screen display	VSE	resolution	audio support	peripheral sharing	total capacity
	GCS78 (8-Port)	WINDOWS MAC LINUX	PS/2	PS/2	NO	YES	1920 x 1440	NO	NO	8
	GCS138 (8-Port)	WINDOWS MAC LINUX	PS/2	PS/2	YES	YES	1920 x 1440	NO	NO	512 thru cascading

## DVI KVMs for 2 to 4 computers / MiniView™ DVI KVMP Switch


	model #	OS Support	computer connection	console connection	monitor connection	VSE	resolution	audio support	peripheral sharing	cables included
	GCS1762 (2-Port)	WINDOWS LINUX MAC	USB	USB	DVI	YES	1600 x 1200	YES	YES	YES

Control 2 USB or PS/2 computers with a single keyboard, monitor and mouse; share speakers, peripherals and provides an interface for a digital monitor (DVI).



(GCS1762) 2 port model shown, front and back view

## DVI KVMs for 2 to 4 computers

	model #	OS Support	computer connection	console connection	monitor connection	VSE	resolution	audio support	peripheral sharing	cables included
	GCS1764 (4-Port)	WINDOWS LINUX MAC SUN SOLARIS	USB	USB	DVI	YES	1600 x 1200	YES	YES	YES



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