

## GCS1816i

## 16-Port IP Based KVM (TAA)



## 16-Port IP Based KVM

The IOGEAR's GCS1816i is an IP-based KVM switch that allows both local and remote operators to monitor and access multiple computers. Remote users access the switches over the Internet through a web browser using TCP/IP protocol. GCS1816i supports up to 64 user accounts and allows 32 concurrent user logins for a single-bus computer access. The Message Board, a built-in feature that resembles an Internet chat program, lets users communicate with each other. The ability to exchange information in real time allows users to manage the KVM switch and connected computers in a smooth and efficient manner.

- 16-port IP-based KVM switch monitor and control up to 16 computers from both local and remote KVM consoles
- Hot pluggable add or remove computers without having to power down the switch
- Multiplatform support Windows®, Linux® and Mac
- Front panel USB port allows connected computers to access USB peripherals such as USB flash drives or hard drives\*
- Dual Interface the automatic interface detection supports computers with either PS/2 or USB connections
- Complete keyboard and mouse emulation for error free booting
- Supports USB keyboards for Windows® and Mac
- Superior video quality up to 2048x1536 DDC2B for the local console; up to 1600x1200 @ 60Hz / 24-bit color depth for remote access
- Video DynaSync<sup>™</sup> stores the local monitor's EDID (Extended Display Identification Data) to optimize display resolution
- Custom ASIC provides an auto-sensing function that recognizes the position of each station on the installation
- · Firmware upgradeable
- 19" Rack mountable; a mounting kit is included
- Easy-to-Use Interface
- Easy to operate computer selection via front panel pushbutton LED's, intuitive OSD (on screen display), and hotkeys
- Browser-based or AP GUIs, including a menu-driven OSD for the remote console
- · Windows client and Java client software support
- Menu-driven OSD for the local console

- Multiplatform client support (Windows®, Mac OS X and Linux®)
- Multi-browser support (IE, Mozilla, Firefox, Safari, Opera, Chrome\*\*)
- Panel array mode enables user to monitor multiple servers from a single screen
- Auto Scan Mode to monitor connected computers
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- Advanced Security
- Secure keyboard/mouse/video transmission via RC4 128-bit encryption
- Supports SSL 128-bit data encryption and RSA 1024-bit certificates for secure user logins from a browser
- Two level password security (administrator and users) up to 64 user accounts with separate profiles for each
- Third party authentication supported: RADIUS, LDAP, LDAPS, MS Active Directory
- Supports IP and MAC filters
- Log in authentication required for both local and remote access
- Virtual Remote Desktop
- Resizable remote desktop window
- Message board allows logged in users to communicate with each other and allows a user to take exclusive control of the KVM functions
- Mouse DynaSync<sup>™</sup> (see Additional mouse synchronization procedures)
- On-screen keyboard with multi-language support

\*Only systems connected with the USB KVM cables will be able to access the front USB port for system upgrades and shared peripherals

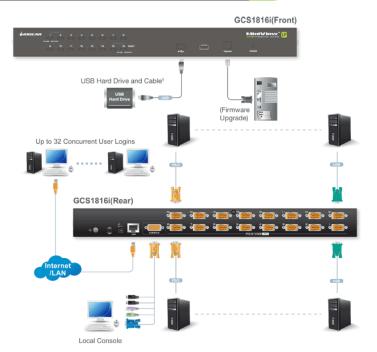
\*\*Chrome browser will not work when trying to connect to GCS1816i from Windows OS













## **Specifications**

Function         GOSISTRIG         Dimensions         GOSISTRIG           Compute Connections         16         Hond Dimensions         1,70° (4.4 docm)           Port Selection         950° (1.6 85 m)         450° (1.6 85 m)           Console Connectors         Langth         17,00° (4.3 18 m)           Keyboard Mouse, and Montor         1 x SPHD-18 Male         Despit         45° (1.4 42 m)           Power         1 x D.D Jack         Despit         45° (1.4 42 m)           Power         1 x X PLATS Female         Length         45° (1.4 42 m)           LAN         1 x X RLATS Female         400° (4.0 m)         21.5° (8.6 6 cm)           USS         1 x X Semi-recessed pushbatton         Wiesh         22.3° (8.6 6 cm)           Switches         1 x Semi-recessed pushbatton         10 psp         11.0° (8.6 7 m)           Pow Beforcon         1 x Semi-recessed pushbatton         More Carton Oty.         3           Pow Beforcon         1 x Semi-recessed pushbatton         More Carton Oty.         3           Pow Beforcon         1 x Semi-recessed pushbatton         More Carton Oty.         30 10.6 6 cm)           Pow Beforcon         1 x Green         1 x Semi-recessed pushbatton         1 x Semi-recessed pushbatton         1 x Semi-recessed pushbatton         1 x Semi-recessed push					
Direct         16         Height         1.75" (I.45cm)           Port Selection         QSD, Holleyr, Pushbullon         Depth         6.25" (15.80cm)           Connectors         Langth         1.700" (43.18cm)           Keyboard, Mouse, and Montor         1 x SPHD-18 Male         Hull Package Dimensions           Connectors         Unit Package Dimensions           Power         1 x D.5 Jack         Depth         4.5" (14.3cm)           LAN         1 x D.5 Jack         Depth         4.5" (14.3cm)           USB         1 x USB Type A         Master Carron         2.3" (56.64cm)           Switches         1 x Selection         Height         15.1" (38.38cm)           FW Ubgrade         1 x Silide         Weight         15.1" (38.38cm)           FW Ubgrade         1 x Silide         Weight         2.23" (56.64cm)           EBES         1 x Silide         Weight         2.20 (56.64cm)           FW Ubgrade         1 x Silide         Weight         2.20 (20.18 (32.75m)           Discussion         1 (10 (Green)         Unit Wu         2.20 (20.18 (43.20kg)           Connector         1 (10 (Green)         Unit Wu         2.20 (20.18 (43.20kg)           Power Connector         1 (10 (20.20 (20.18 (20.12 (20.18 (20.12 (20.18 (20.12 (20.18	Function	GCS1816i	Dimensions	GCS1816i	
Port Selection         OSD, Holkey, Pushbutton         Deph         0.25° (15.80m)           Console Connectors         Longth         17.00° (43.18cm)           Keyboard, Mouse, and Monitor         1 x SPHD-18 Male         Unit Package Dimensions           Connectors         Height         9.25° (23.50cm)           Power         1 x DC Jack         Deph         45° (11.43cm)           LAN         1 x RJ45 Female         Length         21.5° (66.61cm)           USB         1 x USB Type A         Master Carton           Compute/VMI         18 x SPDH-17 Female         Width         22.3° (66.64cm)           Switches         1 x Semi-recessed pushbutton         Depth         10.5° (66.6cm)           Post Switches         1 x Side         Weight         10.5° (66.6cm)           EVI         Upgrade         1 x Side         Weight         29.20be (13.28kg)           LEDs         Master Carton Wt.         29.20be (13.28kg)           On June         16 (Orange)         Unit Wt.         6.1be (2.78kg)           Selected         1 (Green)         Unit Wt.         6.1be (2.78kg)           Torrior More         Keyboard         Use (Recent Section Wt.         8.4 Feet Section Wt.         8.4 Feet Section Wt.         8.4 Feet Section Wt.         9.4 Feet S	Computer Connections		Unit Dimensions		
Console Connectors         1 x SPHD-18 Male         Longth         17 x CP (31 18 cm)           Connectors         Height         0 25° (23 50 cm)           Power         1 x DC Jack         Depth         45° (11 42 cm)           LAN         1 x A845 Formale         Longth         21° (64 61 cm)           USB         1 x USB Type A         Masser Carton           Computien(N/M)         16 x SPDH-17 Female         Measure         22 3' (56 64 cm)           Switches         Height         15 (38 35 cm)           Reset         1 x Stein-recessed pushbution         Depth         16 x (38 35 cm)           Port Selection         1 x Stein         Welph         22 20' (56 64 cm)           FW Upgrade         1 x Stein         Measure Carton (3y)         3           LEDs         Master Carton (1y)         3         3           Selected         16 (Grage)         Mean Carton (1y)         92 2008 (13 28 g)           Selected         16 (Grage)         Unit Plack Wt.         910 (40 8 g)           Selected         1 (Omange/Green-al LAN port)         15 (27 68 cm)           Emutation         1 (Omange/Green-al LAN port)         15 (27 68 cm)         15 (27 68 cm)           Video Performance         1 (25 90 cm)         15 (25	Direct	16	Height	1.75" (4.45cm)	
Keyboard, Mouse, and Movitor         1 x SPHD 18 Male         UniP Package Dimensions           Connectors         Height         9.25° (23,50cm)           Power         1 x DC Jack         Depth         45° (14,45cm)           LAN         1 x RJ45 Fernale         Longth         21,5° (54,61cm)           USB         1 x USB Type A         Master Carton           Computerit/VM         18 x SPDH-17 Fernale         Width         22.3° (56,64cm)           Switches         Height         15.1° (38,35cm)         1           Roset         1 x Semi-recessed pushbutton         Depth         15.1° (38,35cm)           Port Selection         1 x Side         Weight         3           LEDs         1 x Side         Weight         29.20ths (13,26cg)           On Line         16 (Orango)         Unit Pack Wit         29.20ths (13,26cg)           Selected         16 (Green)         Init Wit         29.20ths (13,26cg)           Fower On         1 (Dark Green)         Init Wit         29.20ths (13,26cg)           Brouts         1 (Orango/Green-at LAN port)         Yes         Yes         Yes           Keyboard         USB, PS2         Yes         Yes         Yes         Yes         Yes         Yes         Yes <t< td=""><td>Port Selection</td><td>OSD; Hotkey; Pushbutton</td><td>Depth</td><td>6.25" (15.88cm)</td></t<>	Port Selection	OSD; Hotkey; Pushbutton	Depth	6.25" (15.88cm)	
Connectors         Height         9.25° (23.50cm)           Power         1 x DC Jack         Depth         4.5° (11.43cm)           LAN         1 x R45 Female         Length         21.5° (54.61cm)           USB         1 x USB Type A         Master Carton           Computer/KVM         16 x SPDH-17 Female         Width         22.3° (56.64cm)           Switches         Height         15.1° (38.35cm)           Switches         1 x Semi-incessed pushbulton         Depth         15.1° (38.67cm)           Port Selection         1 x Side         Master Carton Qty.         3           F/W Upgrade         1 x Side         Weight         29.200bs (13.26kg)           LEDs         Master Carton Wt.         29.200bs (13.26kg)           On Line         16 (Orange)         Unit Wt.         6.1lbs (2.76kg)           Selected         16 (Green)         Unit Wt.         6.1lbs (2.76kg)           Dever On         1 (Dark Green)         10/100 Mtps         6.1lbs (2.76kg)           Mouse         USB, PS/2         Video Performance         Video Performance           Local         25.30 k; 13V         Video Performance         Video Performance         Video Performance         Video Performance         Video Performance         Video Performance	Console Connectors		Length	17.00" (43.18cm)	
Power	Keyboard, Mouse, and Monitor	1 x SPHD-18 Male	Unit Package Dimensions		
LAN         1 x RJ45 Famale         Length         21.5" (54.61cm)           USB         1 x USB Type A         Master Carton           Computer/KVM         16 x SPDH-17 Female         Width         22 3" (56.64cm)           Switches         Height         15.1" (38.35cm)           Reset         1 x Semi-recessed pushbutton         Depth         10.5" (26.87cm)           Port Selection         16 x Pushbutton         Master Carton Oly.         3           F/W Upgrade         1 x Silde         Wolfth         29.20bs (13.28kg)           LEDs         Master Carton Wt.         29.20bs (13.28kg)           On Line         16 (Orange)         Unit Pack Wt.         91bs (4.08kg)           Selected         16 (Green)         Unit Wt.         6.1bs (2.76kg)           Power On         1 (Orange)Green-at LAN port)         5           Emulation         USB, PS2         4           Mouse         USB, PS2         4           Video Performance         1         4           Local         2048x1536; DDC2B         4           Remote         1         55 sec.           Power Consumption         DC 5.39; 11W         4           Environment         4 - 410 F (20-60 C)         4 - 410 F (20-60 C) </td <td>Connectors</td> <td></td> <td>Height</td> <td>9.25" (23.50cm)</td>	Connectors		Height	9.25" (23.50cm)	
Master Carton   Computer/KVM   16 x SPDH-17 Female   Width   22.3" (56.64cm)	Power	1 x DC Jack	Depth	4.5" (11.43cm)	
Computer/KVM         16 x SPDH-17 Female         Width         22.3" (56.64cm)           Switches         Height         15.1" (38.35cm)           Reset         1 x Semi-recessed pushbutton         Depth         10.5" (26.67cm)           Port Selection         16 x Pushbutton         Master Carton Cty.         3           Weight           Weight           LEDs         Weight           Unit Pack Wt.         29 20lbs (13.26kg)           On Line         16 (Orange)         Unit Wt.         6.1bs (2.76kg)           Selected         16 (Orange) (Green-at LAN port)         Weight         6.1bs (2.76kg)           Power On         1 (Dark Green)         Unit Wt.         6.1bs (2.76kg)           10/10 Mbps         1 (Orange/Green-at LAN port)         Femulation         F	LAN	1 x RJ45 Female	Length	21.5" (54.61cm)	
Switches         Height         15.1" (38.35 cm)           Reset         1 x Semi-recessed pushbutton         Depth         10.5" (26.67 cm)           Port Selection         16 x Pushbutton         Master Carton Cry.         3           F/W Upgrade         1 x Silde         Weight           LEDs         Weight           LEDs         Weight           Unit Wt.         29.20lbs (13.26kg)           On Line         16 (Orange)         Unit Wt.         29.20lbs (13.26kg)           On Line         1 (Dark Green)         Unit Wt.         6.1lbs (2.76kg)           Emulation         Emulation         Weight         Veight         Veight <th colspa<="" td=""><td>USB</td><td>1 x USB Type A</td><td>Master Carton</td><td></td></th>	<td>USB</td> <td>1 x USB Type A</td> <td>Master Carton</td> <td></td>	USB	1 x USB Type A	Master Carton	
Reset         1 x Semi-recessed pushbutton         Depth         10.5° (26.67cm)           Port Selection         16 x Pushbutton         Master Carton Qty.         3           FW Upgrade         1 x Silde         Weight           LEDs         Master Carton Wt.         29.20lbs (13.26kg)           On Line         16 (Orange)         Unit Pack Wt.         9lbs (4.08kg)           Selected         16 (Green)         Unit Wt.         6.1lbs (2.76kg)           Power On         1 (Dark Green)         Unit Wt.         6.1lbs (2.76kg)           10/100 Mbps         1 (Orange)Green-at LAN port)         Femulation         Femulation           Keyboard         USB, PS/2         USB, PS/2         Video Performance           Local         2048x1536; DDC2B         Femole         1600x1200@60Hz / 24-bit color depth           Scan Interval         1-255 sec.         Power Consumption         DC 5.3V; 11W           Environment         Humidity         0-80% RH, Non-condensing         Operation Temperature         32-122 F (0-50 C)           Storage Temperature         4-140 F (-20-60 C)         Housing         Housing	Computer/KVM	16 x SPDH-17 Female	Width	22.3" (56.64cm)	
Pont Selection         16 x Pushbutton         Master Carton Qty.         3           F/W Upgrade         1 x Slide         Weight           LEDs         Master Carton Wt.         29 20 lbs (13.26 kg)           On Line         16 (Grange)         Unit Pack Wt.         9 lbs (4.08 kg)           Selected         16 (Green)         Unit Wt.         6.1 lbs (2.76 kg)           Power On         1 (Dark Green)         Unit Wt.         6.1 lbs (2.76 kg)           Mover On         1 (Orange/Green-at LAN port)         Femulation           Keyboard         USB, PS/2           Wideo Performance         USB, PS/2           Video Performance         Local         2048x1536, DDC2B           Remote         1600x1200@60Hz / 24-bit color depth           Scan Interval         1-255 sec.           Power Consumption         DC 5.3V; 11W           Environment         Humidity         0-80% RH, Non-condensing           Operation Temperature         32-122 F (0-50 C)           Storage Temperature         -4-140 F (-20-60 C)           Housing	Switches		Height	15.1" (38.35cm)	
No	Reset	1 x Semi-recessed pushbutton	Depth	10.5" (26.67cm)	
LEDs         Master Carton Wt.         29.20lbs (13.26kg)           On Line         16 (Orange)         Unit Pack Wt.         9lbs (4.08kg)           Selected         16 (Green)         Unit Wt.         6.1lbs (2.76kg)           Power On         1 (Dark Green)         10/100 Mbps         1 (Orange/Green-at LAN port)           Emulation         Keyboard         USB, PS/2           Mouse         USB, PS/2           Video Performance         Local         2048x1536; DDC2B           Remote         1600x1200@60Hz / 24-bit color depth           Scan Interval         1-255 sec.           Power Consumption         DC 5.3V; 11W           Environment         Humidity         0-80% RH, Non-condensing           Operation Temperature         4-140 F (-20-60 C)           Housing	Port Selection	16 x Pushbutton	Master Carton Qty.	3	
On Line         16 (Orange)         Unit Pack Wt.         9lbs (4.08kg)           Selected         16 (Green)         Unit Wt.         6.1 lbs (2.76kg)           Power On         1 (Dark Green)         10/100 Mbps         1 (Orange/Green-at LAN port)           Emulation         Keyboard         USB, PS/2           Mouse         USB, PS/2           Video Performance           Local         2048x1536; DDC2B           Remote         1600x1200@60Hz / 24-bit color depth           Scan Interval         1-255 sec.           Power Consumption         DC 5.3V; 11W           Environment         Humidity           Operation Temperature         32-122 F (0-50 C)           Storage Temperature         -4-140 F (-20-60 C)           Housing	F/W Upgrade	1 x Slide	Weight		
Selected         16 (Green)         Unit Wt.         6.1lbs (2.76kg)           Power On         1 (Dark Green)         10/100 Mbps         1 (Orange/Green-at LAN port)           Emulation         Keyboard         USB, PS/2           Mouse         USB, PS/2           Video Performance         Local         2048x1536; DDC2B           Remote         1600x1200@60Hz / 24-bit color depth           Scan Interval         1-255 sec.           Power Consumption         DC 5.3V; 11W           Environment         Humidity           Operation Temperature         32-122 F (0-50 C)           Storage Temperature         -4-140 F (-20-60 C)           Housing	LEDs		Master Carton Wt.	29.20lbs (13.26kg)	
Power On         1 (Dark Green)           10/100 Mbps         1 (Orange/Green-at LAN port)           Emulation         Keyboard           Wouse         USB, PS/2           Video Performance         Local           Local         2048x1536; DDC2B           Remote         1600x1200@60Hz / 24-bit color depth           Scan Interval         1-255 sec.           Power Consumption         DC 5.3V; 11W           Environment         Humidity         0-80% RH, Non-condensing           Operation Temperature         32-122 F (0-50 C)           Storage Temperature         4- 140 F (-20-60 C)           Housing	On Line	16 (Orange)	Unit Pack Wt.	9lbs (4.08kg)	
10/100 Mbps 1 (Orange/Green-at LAN port)  Emulation  Keyboard USB, PS/2  Mouse USB, PS/2  Video Performance  Local 2048x1536; DDC2B  Remote 1600x1200@60Hz / 24-bit color depth  Scan Interval 1-255 sec.  Power Consumption DC 5.3V; 11W  Environment  Humidity 0-80% RH, Non-condensing  Operation Temperature 32-122 F (0-50 C)  Storage Temperature -4- 140 F (-20-60 C)  Housing	Selected	16 (Green)	Unit Wt.	6.1lbs (2.76kg)	
Emulation           Keyboard         USB, PS/2           Mouse         USB, PS/2           Video Performance         Video Performance           Local         2048x1536; DDC2B           Remote         1600x1200@60Hz / 24-bit color depth           Scan Interval         1-255 sec.           Power Consumption         DC 5.3V; 11W           Environment         Humidity           Operation Temperature         32-122 F (0-50 C)           Storage Temperature         -4~ 140 F (-20-60 C)           Housing	Power On	1 (Dark Green)			
Keyboard       USB, PS/2         Mouse       USB, PS/2         Video Performance         Local       2048x1536; DDC2B         Remote       1600x1200@60Hz / 24-bit color depth         Scan Interval       1-255 sec.         Power Consumption       DC 5.3V; 11W         Environment       Humidity         Operation Temperature       32-122 F (0-50 C)         Storage Temperature       -4- 140 F (-20-60 C)         Housing	10/100 Mbps	1 (Orange/Green-at LAN port)			
Mouse         USB, PS/2           Video Performance           Local         2048x1536; DDC2B           Remote         1600x1200@60Hz / 24-bit color depth           Scan Interval         1-255 sec.           Power Consumption         DC 5.3V; 11W           Environment         Humidity           Operation Temperature         32-122 F (0-50 C)           Storage Temperature         -4- 140 F (-20-60 C)           Housing	Emulation				
Video Performance         Local       2048x1536; DDC2B         Remote       1600x1200@60Hz / 24-bit color depth         Scan Interval       1-255 sec.         Power Consumption       DC 5.3V; 11W         Environment       Humidity         Operation Temperature       32-122 F (0-50 C)         Storage Temperature       -4~ 140 F (-20-60 C)         Housing	Keyboard	USB, PS/2			
Local       2048x1536; DDC2B         Remote       1600x1200@60Hz / 24-bit color depth         Scan Interval       1-255 sec.         Power Consumption       DC 5.3V; 11W         Environment       Humidity         Humidity       0-80% RH, Non-condensing         Operation Temperature       32-122 F (0-50 C)         Storage Temperature       -4- 140 F (-20-60 C)         Housing	Mouse	USB, PS/2			
Remote       1600x1200@60Hz / 24-bit color depth         Scan Interval       1-255 sec.         Power Consumption       DC 5.3V; 11W         Environment       Humidity         Operation Temperature       32-122 F (0-50 C)         Storage Temperature       -4- 140 F (-20-60 C)         Housing	Video Performance				
Scan Interval         1-255 sec.           Power Consumption         DC 5.3V; 11W           Environment         Humidity           Operation Temperature         32~122 F (0~50 C)           Storage Temperature         -4~ 140 F (-20~60 C)           Housing	Local	2048x1536; DDC2B			
Power Consumption         DC 5.3V; 11W           Environment         Humidity           Operation Temperature         32-122 F (0-50 C)           Storage Temperature         -4- 140 F (-20-60 C)           Housing	Remote	1600x1200@60Hz / 24-bit color depth			
Humidity 0-80% RH, Non-condensing Operation Temperature 32-122 F (0-50 C) Storage Temperature -4- 140 F (-20-60 C)  Housing	Scan Interval	1-255 sec.			
Humidity 0~80% RH, Non-condensing Operation Temperature 32~122 F (0~50 C) Storage Temperature -4~ 140 F (-20~60 C)  Housing	Power Consumption	DC 5.3V; 11W			
Operation Temperature         32~122 F (0~50 C)           Storage Temperature         -4~ 140 F (-20~60 C)           Housing	Environment				
Storage Temperature -4~ 140 F (-20~60 C)  Housing	Humidity	0~80% RH, Non-condensing			
Housing	Operation Temperature	32~122 F (0~50 C)			
	Storage Temperature	-4~ 140 F (-20~60 C)			
Case Metal	Housing				
	Case	Metal			