**IOGEAR®**

GCL1816iKIT

# 16-Port IP Based KVM and 17" LCD KVM Console Bundle

## IP KVM - LCD Console and 16-Port KVM

IOGEAR's 16-Port IP Based KVM and 17" LCD KVM console bundle offers a space-saving, streamlined approach to IT environment by integrating a keyboard, touchpad, and a 17" LCD monitor in one unit. Connect anywhere in the world and manage your servers over the internet. The LCD console is also bundled as an additional tool to manage servers locally.

- Integrated IP KVM bundle features a 17" TFT LCD active matrix monitor, keyboard and touchpad complete with 16-port IP-based KVM switch
- Monitor and control up to 16 computers from both local and remote KVM consoles
- Video quality up to 1280x1024 on LCD; up to 1600x1200 @ 60Hz / 24-bit color depth for remote access
- Multiplatform OS support - Windows®, Mac, Sun Solaris™, and Linux®
- Custom ASIC provides an auto-sensing function that recognizes the position of each station on the installation
- DynaSync™ - stores the local monitor's EDID (Extended Display Identification Data) to optimize display resolution
- Rack mountable in a 19" (1U) system rack; adjustable depth to fit different sizes of racks
- Hot pluggable - add or remove computers without having to power down the switch
- 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
- Support special keys on Mac and Sun keyboards
- Firmware upgradeable

**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
- 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

**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™
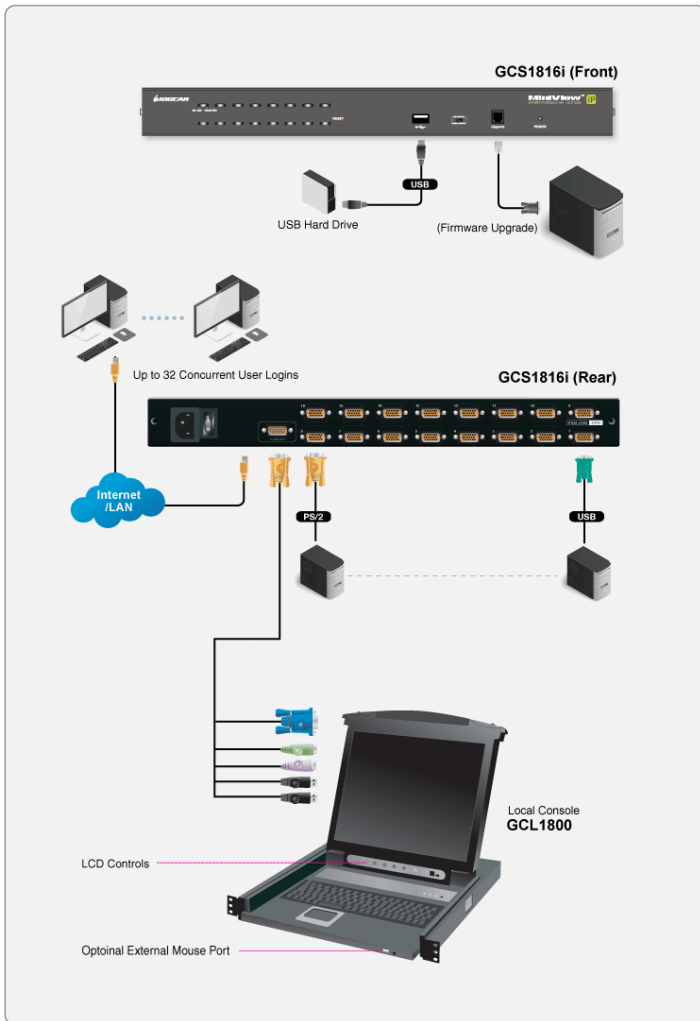- On-screen keyboard with multi-language support

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

**The Chrome browser will work when connecting to the GCS1816i from a Windows OS when the most current Java version has been installed

GCS1816i (Front)

USB

USB Hard Drive

(Firmware Upgrade)

Up to 32 Concurrent User Logins

GCS1816i (Rear)

Internet /LAN

PS/2

USB

Local Console
GCL1800

LCD Controls

Optoinal External Mouse Port

## Requirements

**For best results, during remote access:**

- Computers used to access the 16-Port IP Based KVM should have at least a P III 1 GHz processor and screen resolution should be set to 1024x768
- Internet connection speed of at least 128kbps
- Browsers must support 128-bit data encryption
- To run the Windows® client, DirectX 8.0 or higher is required
- To run the Java client, Sun's Java Runtime Environment (JRE) 6, Update 3, or higher is required
- To run the Log Server, Microsoft Jet OLEDB 4.0 (or higher) driver is required

**Local Console:**

- 1 VGA monitor
- 1 USB or PS/2 Mouse
- 1 USB or PS/2 Keyboard

**Local Computers:**

- Video graphics card with an HDB-15 VGA port
- Type A USB port and USB host controller
- or
- 6-pin mini-DIN keyboard and mouse port

**Operating System**

- Windows Vista® (32-bit / 64-bit ), Windows® 7 (32-bit / 64-bit ), Windows® 8.x (32-bit / 64-bit )
- Apple Mac OS X 9.0 to 10.x

## Package Contents

- 1 x GCL1800 17" LCD Console
- 1 x GCS1816i 16-Port IP Based KVM
- 1 x Console Cable
- 7 x 6ft USB KVM Cable (G2L5202U)
- 6 x 10ft USB KVM Cable (G2L5203U)
- 2 x 6ft PS/2 KVM Cable (G2L5202P)
- 2 x 10ft PS/2 KVM Cable (G2L5203P)
- 1 x Firmware Upgrade Cable for GCl1800 LCD Console
- 1 x Firmware Upgrade Cable for GCS1816i
- 1 x GCL1800 LCD Console Mounting Kit
- 1 x GCS1816i Mounting Kit
- 1 x Grounding Wire
- 1 x Power Cord for GCL1800
- 1 x Power Adapter for GCS1816i
- 1 x Foot Pad Set (4 pcs)
- 1 x Software CD for GCS1816i
- 1 x Manual
- 1 x Warranty Card

**Recommended Cables:**

- G2L5202U / G2L5203U - USB KVM cable (6ft / 10ft)
- G2L5202P/ G2L5203P - PS/2 KVM cable (6ft / 10ft)

## Specifications

| Function | GCL1816iKIT | | Dimensions | GCL1816iKIT |
|---|---|---|---|---|
| **Computer Connections** | | | **Unit Package Dimensions** | |
| Direct | 16 | | Width | 37" (93.98cm) |
| **Port Selection** | Hotkeys, OSD, Pushbutton | | Height | 6" (15.24cm) |
| **Connectors** | | | Depth | 28" (71.12cm) |
| Console | 1 x SPHD-18 Male (Yellow) | | **Master Carton** | |
| Computer/KVM | 16 x SPHD-17 Female (Yellow) | | Width | 37" (93.98cm) |
| Power | 1 x DC Jack (KVM), 1 x 3-Prong AC Socket (LCD) | | Height | 6" (15.24cm) |
| USB | 1 x USB 1.1 Type A | | Depth | 28" (71.12cm) |
| LAN | 1 x RJ45 Female | | Master Carton Qty. | 1 |
| Second Console Keyboard | PS/2 or USB | | **Weight** | |
| Second Console Mouse | PS/2 or USB | | Master Carton Wt. | 55lb (12.1kg) |
| Second Console Video | 1 x HDB-15 Female | | Unit Pack Wt. | 55lb (12.1kg) |
| **Switches** | | | | |
| F/W Upgrade | 1 x Slide Switch | | | |
| Port Selection | 16 x Push Button | | | |
| Reset | 1 x Semi-Recessed Push Button | | | |
| LCD Power | 1 x LED Pushbutton (Orange) | | | |
| LCD Adjustment | 4 x Pushbutton | | | |
| **Emulation** | | | | |
| Mouse | PS/2, USB | | | |
| Keyboard | PS/2, USB | | | |
| **Video Performance** | | | | |
| Remote | 1600x1200@60Hz / 24-bit color depth | | | |
| Local | 2048x1536, DDC2B (for KVM); 1280 x 1024 (for LCD) | | | |
| **Scan Interval** | 1-255 sec. | | | |
| **Environment** | | | | |
| Storage Temperature | -4~ 140 F (-20~60 C) | | | |
| Operation Temperature | 32~122 F (0~50 C) | | | |
| Humidity | 0~80% RH, Non-condensing | | | |
| **Housing** | | | | |
| Case | Metal (KVM), Metal and Plastic (LCD) | | | |
| **LEDs** | | | | |
| On Line | 8 (Orange) | | | |

| Power On | Dark Green (KVM and LCD) |
| --- | --- |
| 10/100 Mbps | 1 (Orange/Green-at LAN port) |
| **Power** | |
| Voltage | DC 5.3V |
| Amps | 2.4A |
| **Console Connectors** | |
| Flash ROM Upgrade | 1 x RJ-11 Female |
| **CPU Connectors** | |
| Keyboard, Mouse, and Monitor | 1 x SPHD-15 Female |