CyberView™ ᵀᴹ
dedicated KVM switch and rackmount screen technology

User Manual

Cat6
IP **2-console KVM**

U-IP802 / 1602 / 3202

FC CE UK CA RoHS REACH

Cat6
2-console KVM

U-802 / 1602 / 3202

FC CE UK CA RoHS REACH

Cat6 KVM

U-801 / 1601 / 3201

FC CE UK CA RoHS REACH

751

Designed and manufactured by Austin Hughes

Legal Information

Information in this document has been carefully checked for accuracy; however, no guarantee is given to the correctness of the contents. The information in this document is subject to change without notice. We are not liable for any injury or loss that results from the use of this equipment.

Safety Instructions
Please read all of these instructions carefully before you use the device. Save this manual for future reference.

- Unplug equipment before cleaning. Don't use liquid or spray detergent; use a moist cloth.
- Keep equipment away from excessive humidity and heat. Preferably, keep it in an air-conditioned environment with temperatures not exceeding 40º Celsius (104º Fahrenheit).
- When installing, place the equipment on a sturdy, level surface to prevent it from accidentally falling and causing damage to other equipment or injury to persons nearby.
- When the equipment is in an open position, do not cover, block or in any way obstruct the gap between it and the power supply. Proper air convection is necessary to keep it from overheating.
- Arrange the equipment's power cord in such a way that others won't trip or fall over it.
- If you are using a power cord that didn't ship with the equipment, ensure that it is rated for the voltage and current labeled on the equipment's electrical ratings label. The voltage rating on the cord should be higher than the one listed on the equipment's ratings label.
- Observe all precautions and warnings attached to the equipment.
- If you don't intend on using the equipment for a long time, disconnect it from the power outlet to prevent being damaged by transient over-voltage.
- Keep all liquids away from the equipment to minimize the risk of accidental spillage. Liquid spilled on to the power supply or on other hardware may cause damage, fire or electrical shock.
- Only qualified service personnel should open the chassis. Opening it yourself could damage the equipment and invalidate its warranty.
- If any part of the equipment becomes damaged or stops functioning, have it checked by qualified service personnel.

What the warranty does not cover

- Any product, on which the serial number has been defaced, modified or removed.
- Damage, deterioration or malfunction resulting from:
  - ☐ Accident, misuse, neglect, fire, water, lightning, or other acts of nature, unauthorized product modification, or failure to follow instructions supplied with the product.
  - ☐ Repair or attempted repair by anyone not authorized by us.
  - ☐ Any damage of the product due to shipment.
  - ☐ Removal or installation of the product.
  - ☐ Causes external to the product, such as electric power fluctuation or failure.
  - ☐ Use of supplies or parts not meeting our specifications.
  - ☐ Normal wear and tear.
  - ☐ Any other causes which does not relate to a product defect.
- Removal, installation, and set-up service charges.

Regulatory Notices Federal Communications Commission (FCC)

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

Any changes or modifications made to this equipment may void the user's authority to operate this equipment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Re-position or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

Contents

Before Installation

■ It is very important to mount the equipment in a suitable cabinet or on a stable surface.

■ Make sure the place has a good ventilation, is out of direct sunlight, away from sources of excessive dust, dirt, heat, water, moisture and vibration.

Unpacking

The equipment comes with the standard parts shown in package content. Check and make sure they are included and in good condition. If anything is missing, or damaged, contact the supplier immediately.

Installation for standalone KVM

Figure 1.

Screw A: 2 pcs
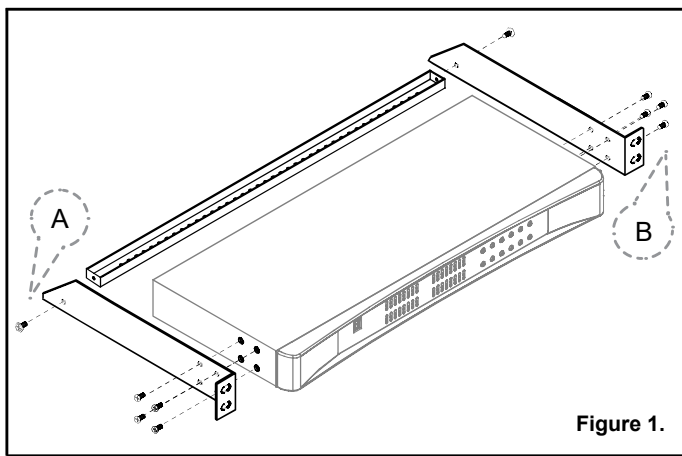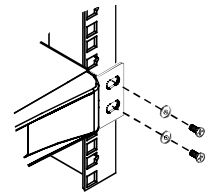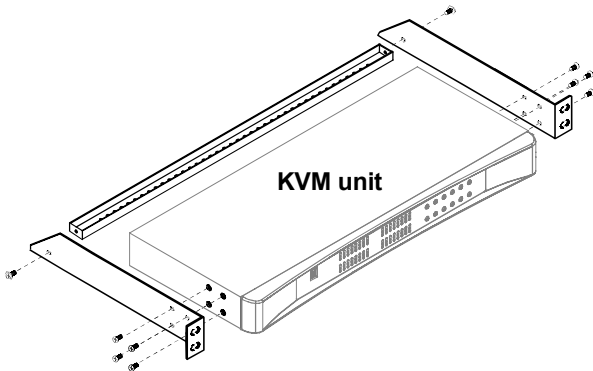
M3.2 x 4.5 mm

Screw B: 8 pcs

M4 x 10 mm

■ Install each bracket using screws provided shown in **Figure 1.**

■ Fix the KVM into the rack

U-IP802 / U-IP1602 / U-IP1602

KVM unit

- **UIP-802 or UIP-1602 or UIP-3202 KVM unit x 1**
- **Mounting set w/ bracket & screws x 1**
- **Power cord (for KVM) x 1**

UIP-802
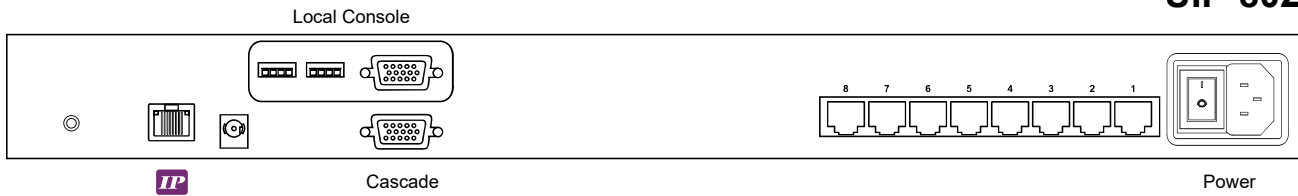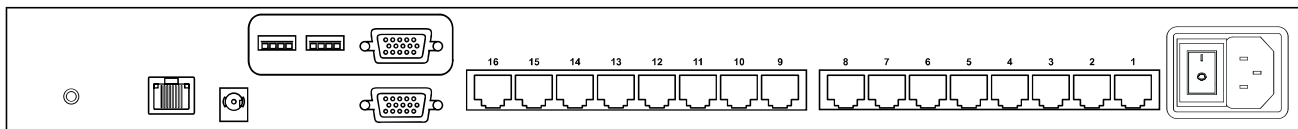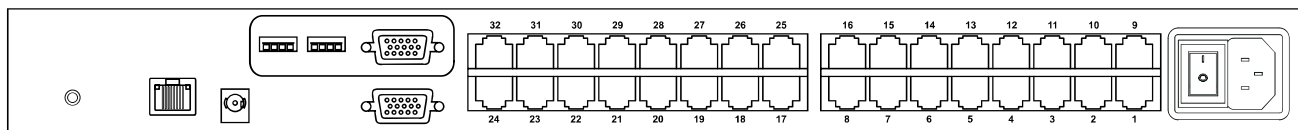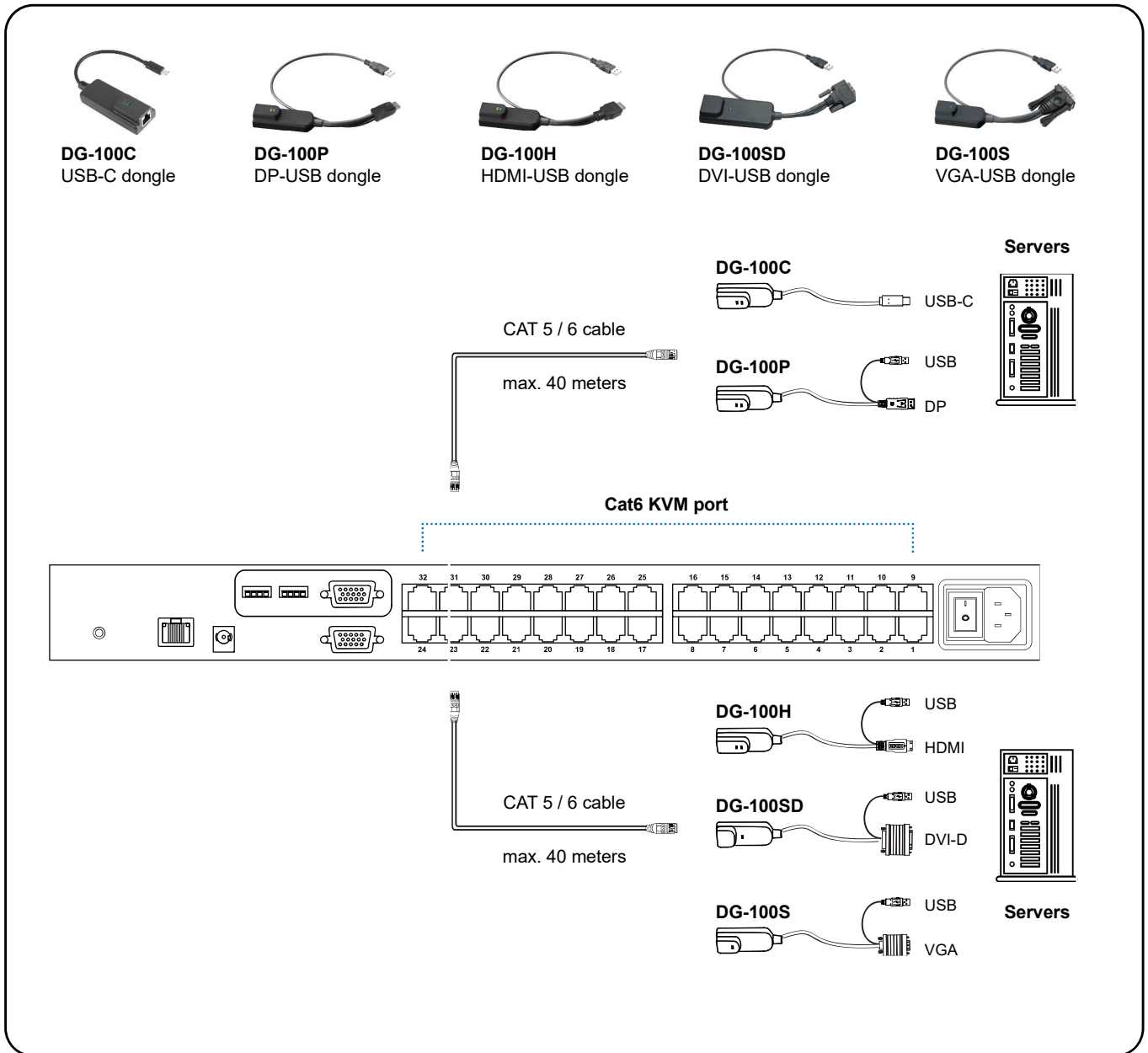
Local Console

Cascade

Power

UIP-1602

UIP-3202

DG-100C
USB-C dongle

DG-100P
DP-USB dongle

DG-100H
HDMI-USB dongle

DG-100SD
DVI-USB dongle

DG-100S
VGA-USB dongle

Servers

DG-100C — USB-C

CAT 5 / 6 cable

max. 40 meters

DG-100P — USB / DP

Cat6 KVM port

32 31 30 29 28 27 26 25   16 15 14 13 12 11 10 9
24 23 22 21 20 19 18 17   8 7 6 5 4 3 2 1

DG-100H — USB / HDMI

CAT 5 / 6 cable

max. 40 meters

DG-100SD — USB / DVI-D

DG-100S — USB / VGA

Servers

Cat6 Dongle

Resolution Support	Frequency (Hz)
1920 x 1200	60
1920 x 1080	60
1600 x 1200	60
1440 x 900	60
1280 x 1024	60
1024 x 768	60 / 70 / 75
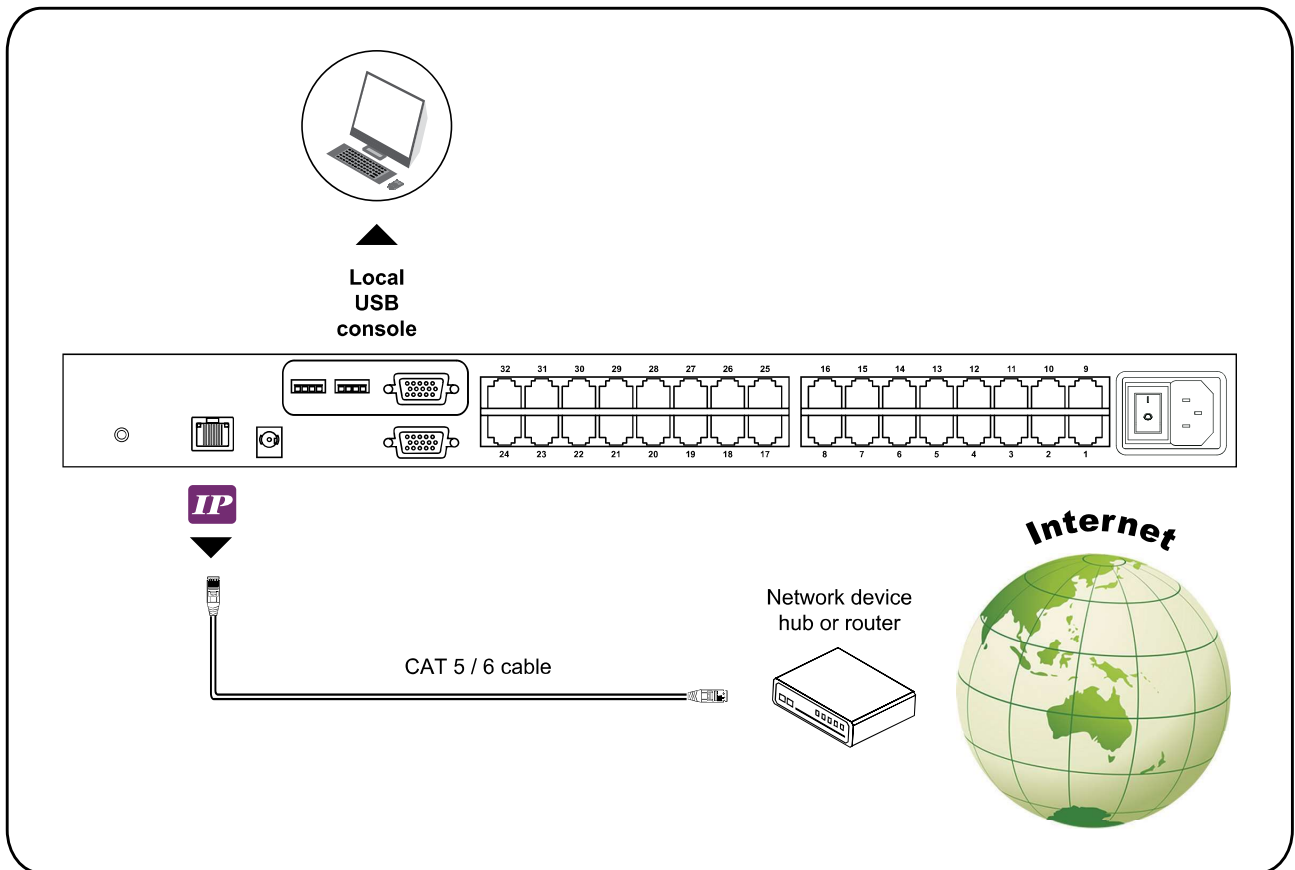
IP Console

Resolution Support	Frequency (Hz)
1920 x 1080	60
1920 x 1200	60
1600 x 1200	60
1280 x 1024	60
1024 x 768	60

⚠️ **Please make sure to follow the below steps to setup your KVM IP properly.**

I. Configure the target server

The target server is the server that connected to the IP KVM Switch. Before use IP remote access, you need to turn off mouse acceleration of all target servers. Please refer to below for Windows operating system.

Mouse setting

From the Control Panel, double-click the Mouse icon to open the Mouse Properties dialog box.

1.   Move the pointer speed slider to the default of 50%.
      (the middle of the slider or the sixth tick from the left).
2.   Uncheck "*Enhance pointer precision*".
3.   Uncheck "*Automatically move pointer to the default button in a dialog box*" & "*Display pointer trails*".
4.   Windows enables mouse acceleration by default. Make sure you are logged in to windows to check mouse synchronization.
5.   Mouse acceleration can only be turned off on a per Windows user basis. If you log in to Windows with a different user name, then you will have to configure mouse properties separately for that user as well.
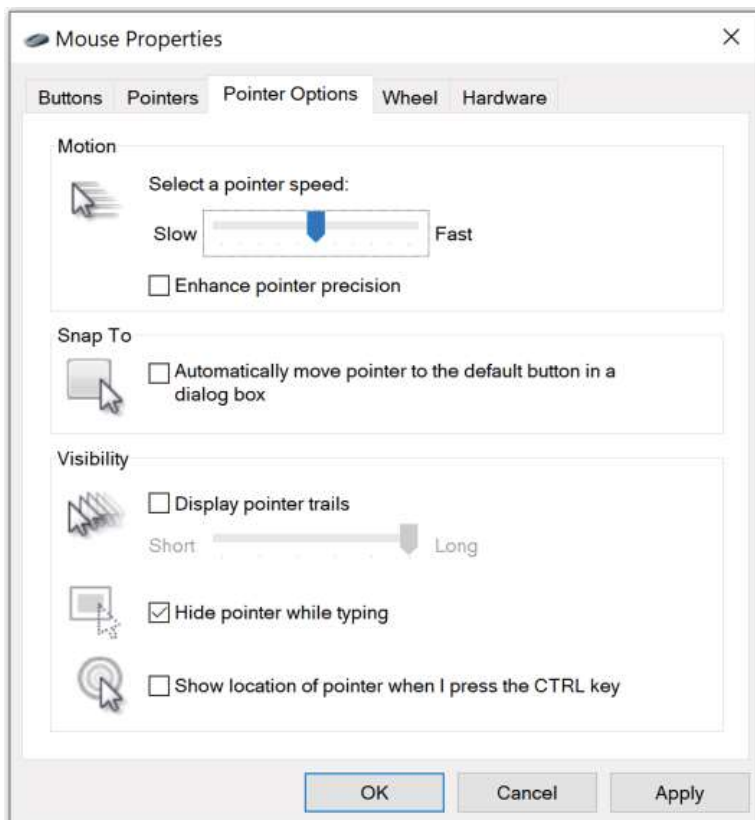
Change display scaling setting 100%

1. Open Settings.
2. Click on System.
3. Click on Display.
4. Under the "Scale and layout" section, select the scale 100%.
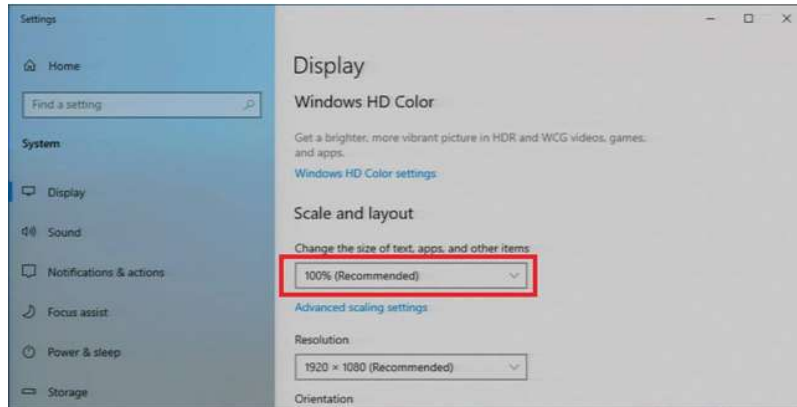
II. Logging in to IP KVM

The default IP address is as below:
IP address: 192.168.1.22
Subnet mask: 255.255.255.0
Gateway: 192.168.1.1

IP KVM model with single IP port:
- Default address 192.168.1.22

IP KVM model with dual IP ports:
- The 1st IP address 192.168.1.22
- The 2nd IP address 192.168.1.23

To log in to the IP KVM do as follows:

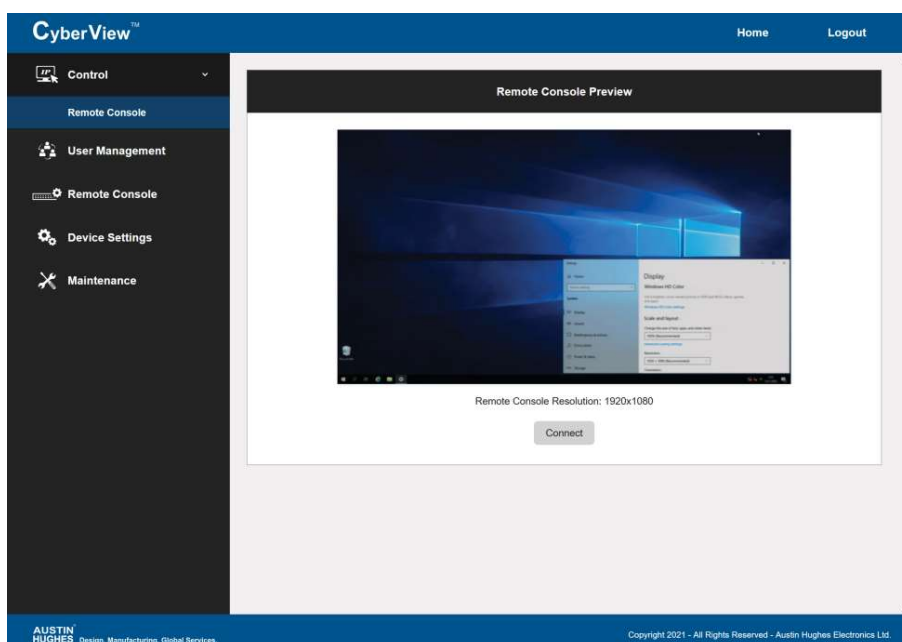1. Open the browser on the client, in the address bar, enter the default IP KVM address (192.168.1.22)

2. In login dialog box, enter the user name and password, then click **Login**, the default user name is **super** and the default password is **pass**.
3. The IP KVM GUI is displayed, and the navigation bar is on left-side.

III. Configure Remote Console Resolution

 The IP remote console displayed on the HTML5-based browser support multiple types of resolution, with a maximum of 1,920 x 1,200.

Click **Remote Console** and then **Resolution**, the Remote Console Video page is displayed, select the same resolution as target servers, click **Apply** to save the resolution.
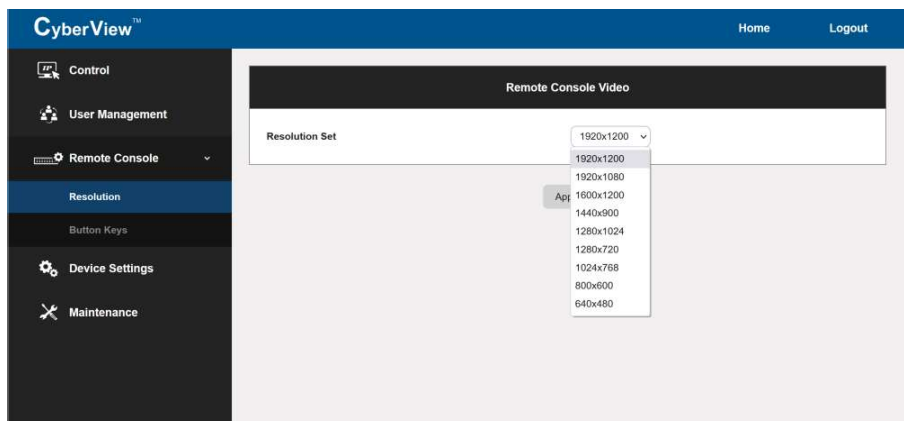
⚠️ **The setting is enough for intranet.**
If the users access KVM GUI via internet, please ask MIS for assistance and
download IP KVM user manual from the link :
www.austin-hughes.com/support/usermanual/cyberview/UM-CV-IP.pdf

IV. Launch remote console

Click **Control** and then **Remote console**, the Remote console Preview is displayed, then Click **Connect**, the remote console opens in a separate windows.

When first start, the local mouse is not synchronized with the remote mouse, it appears at a distance to each other, press the **Mouse Sync** once (positioning top left corner), the mouse will align.

< 1.5 > IP Console Firmware Update
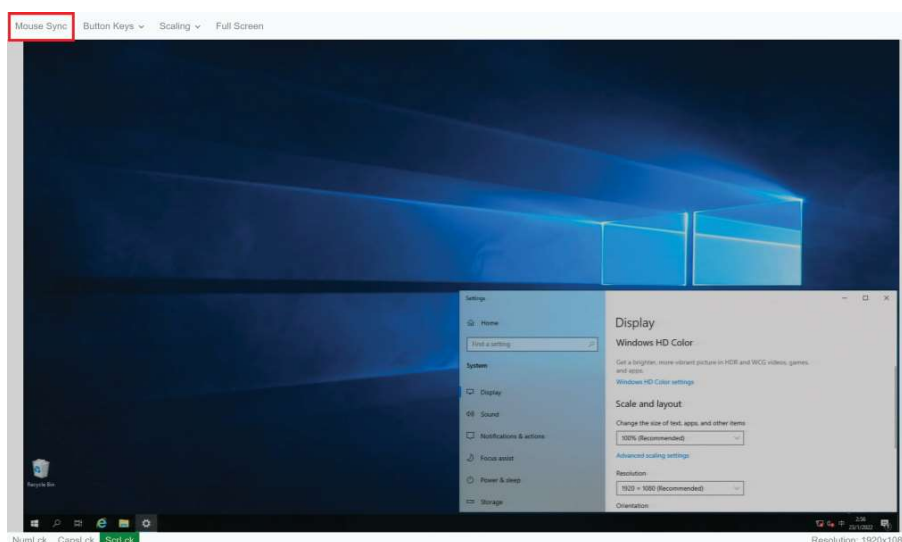
Firmware Update Steps

1) Download the latest IP KVM firmware from the link
   http://www.austin-hughes.com/resources/software/kvm-switch
2) Login the IP KVM
3) Click < Maintenance >
4) Click < Update Firmware >
5) Click < Browse > to select the firmware file
6) Click < Update >

< 1.5 > IP Console Firmware Update

< 1.6 > KVM Cascade Cat6 IP KVM

- Cascade up to 8 levels, 256 servers
- Cascading multiple KVM with CBC-6 cascade cable.

⚠️ **Cascaded KVMs from level 2 to 8 must be the models of U-801 / U-1601 / U-3201.**

⚠️ **When multiple Cat6 KVMs cascade together, the master KVM at level 1 will take all control of other Expansion KVM switches (e.g. level 2 to 8).**
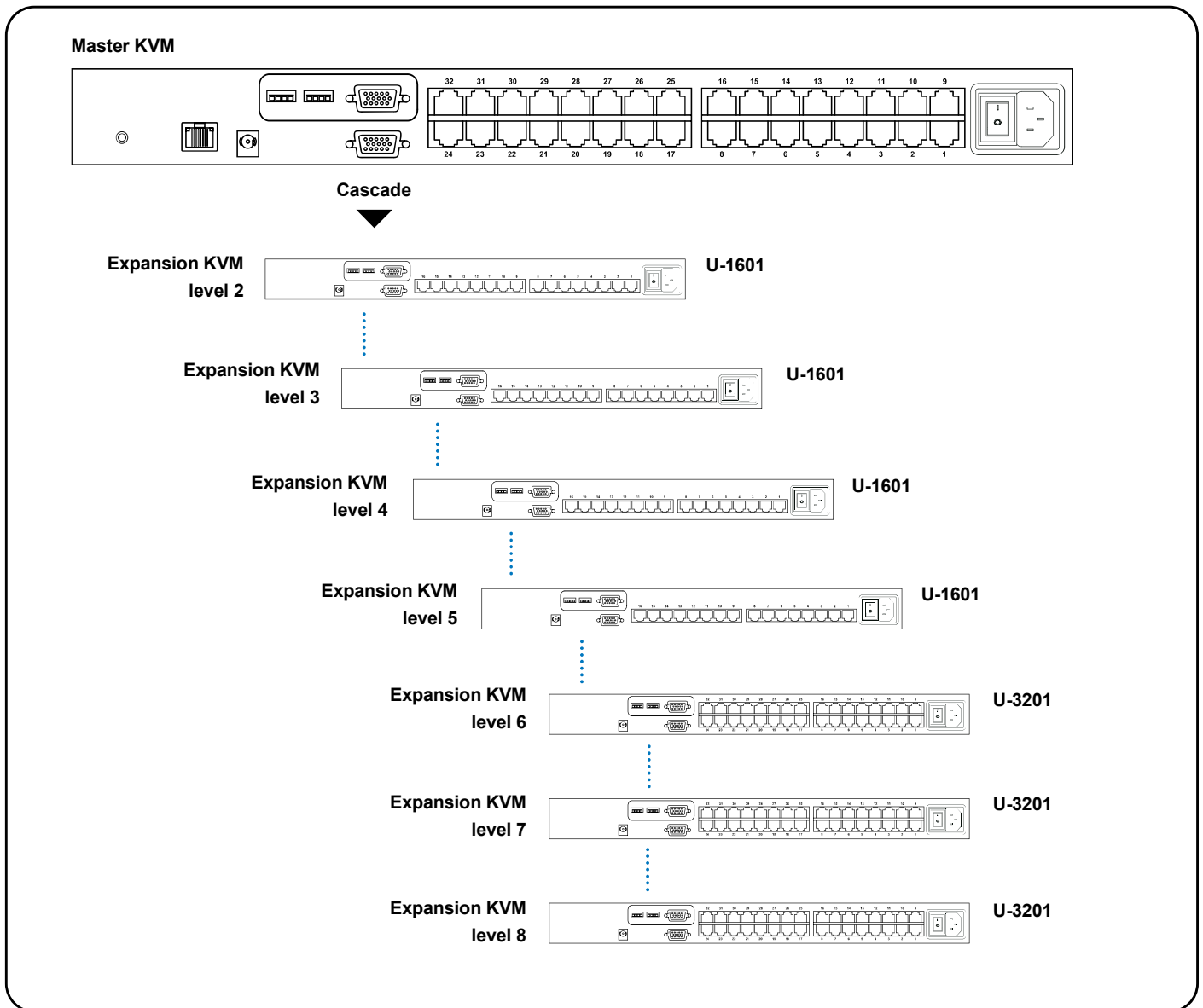
CBC-6
- 6ft Combo KVM cascade cable

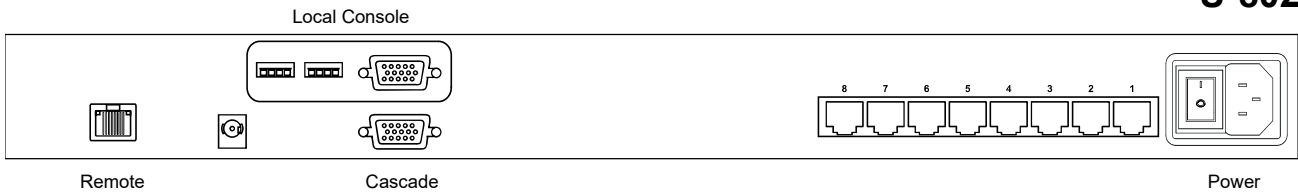|	U-IP802	U-IP1602	U-IP3202
■ **KVM Port**			
Number of ports :	8, 16 or 32		
Connector :	RJ-45		
Connectivity :	DVI-D / VGA connector dongle up to 40 meters (132 feet) via Cat6 / Cat5 cable		
■ **Local Console**			
Graphic connector :	1 x DB-15 VGA		
Input device :	2 x USB type A for keyboard & mouse		
Resolution support :	4: 3 - max. 1600 x 1200		
	16: 9 - max. 1920 x 1080		
	16:10 - max. 1440 x 900		
■ **IP Remote Console**			
Connector :	RJ45 Ethernet		
User management :	15-user login, 1 x active user		
Network protocol :	DHCP / BOOTP / DNS		
Security :	TLS 1.3, AES, LDAP, Active Directory (AD), HTTP(s)		
Browser :	Chrome, Firefox, Edge, etc.		
Resolution support :	16: 9 - max. 1920 x 1080		
	16:10 - max. 1920 x 1200		
	4: 3 - max. 1600 x 1200		
■ **Expansion:**	Up to 256 servers by 8-level cascade		
■ **Compatibility**			
Hardware :	HP / IBM / Dell PC, Server and Blade Server SUN / Mac		
OS Support :	Windows / Linux / Unix / Mac OS		
■ **Power**			
Input :	Auto sensing 100 to 240VAC, 50 / 60 Hz		
Option DC :	12V / 24V / 48V / 125V DC input		
Consumption :	Max. 19W		
■ **Compliance**			
EMC :	FCC & CE		
Safety :	CE / LVD & UKCA		
Environment :	RoHS3 & REACH / WEEE		
■ **Environmental**	**Operating**	**Storage / Non-operating**	
Temperature :	0 to 55°C degree	-20 to 60°C degree	
Humidity :	10~90%, non-condensing	5~90%, non-condensing	
Altitude :	16,000 ft	40,000 ft	
Shock :	-	10G acceleration (11ms duration)	
Vibration :	-	10~300Hz 0.5G RMS random vibration	
■ **Product Information**			
Dimension (W x D x H) :	443 x 171 x 44 mm / 17.4 x 6.7 x 1.73 inch		
Net weight :	3 kg / 6.5 lb		
■ **Packing Information**			
Dimension (W x D x H) :	500 x 400 x 140 mm / 19.7 x 15.8 x 5.5 inch		
Net weight :	5 kg / 11 lb		

U-802 / U-1602 / U-3202
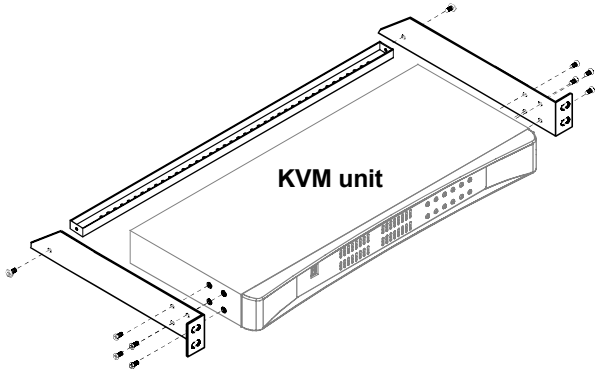
KVM unit

- U-802 or U-1602 or U-3202 KVM unit x 1
- Mounting set w/ bracket & screws x 1
- Power cord (for KVM) x 1
- Receiver box for remote console x 1
- Power adapter w/ power cord (for receiver) x 1
- CE-6 6ft Combo KVM cable for receiver box x 1

U-802
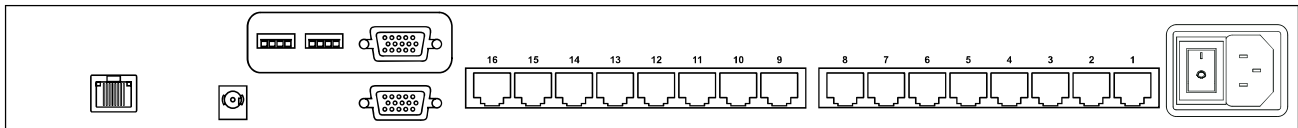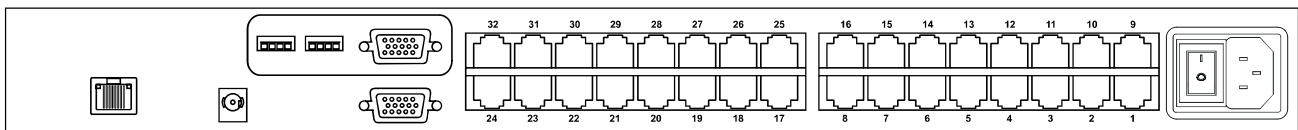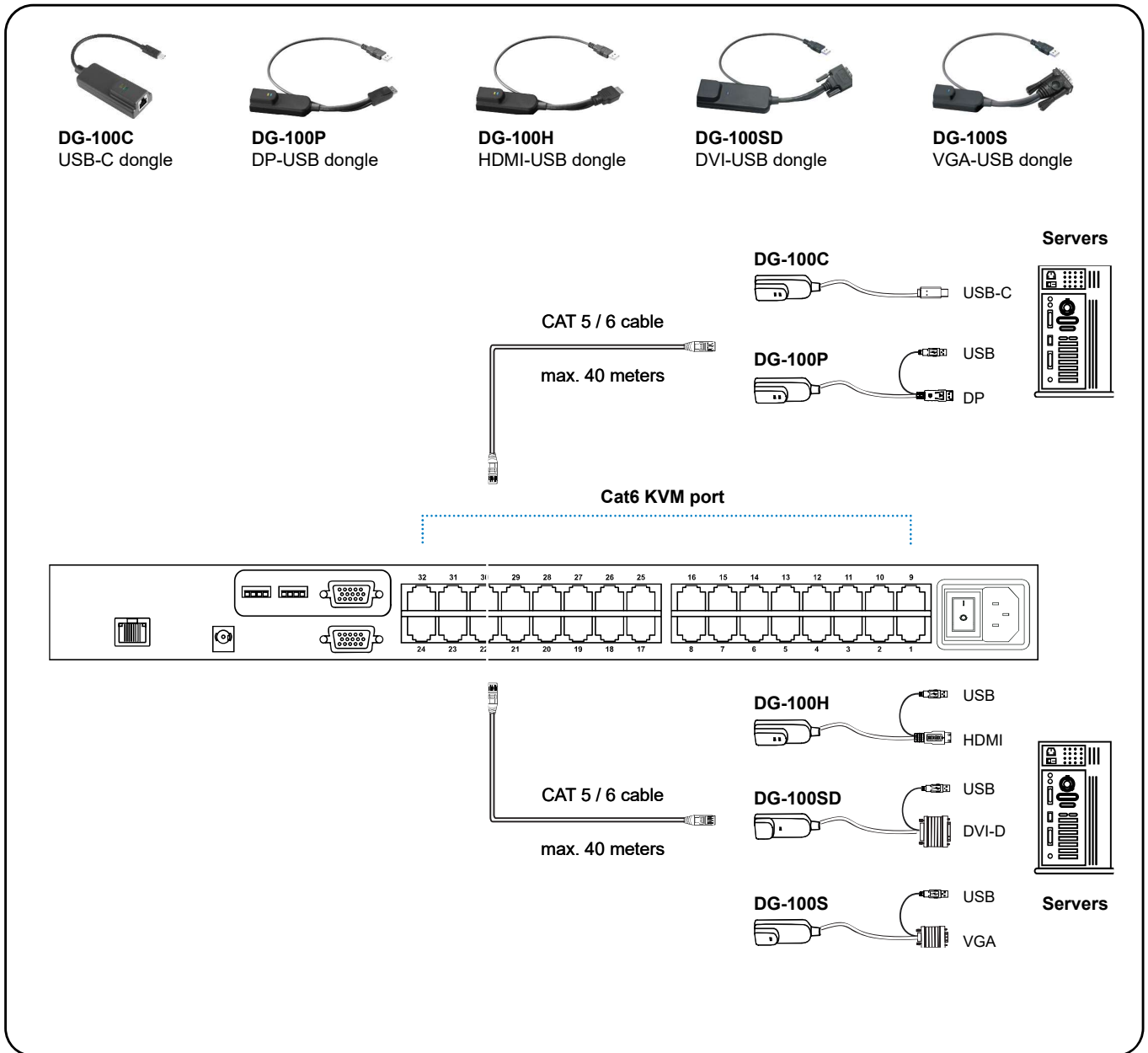
Local Console

Remote   Cascade   Power

8 7 6 5 4 3 2 1

U-1602

16 15 14 13 12 11 10 9   8 7 6 5 4 3 2 1

U-3202

32 31 30 29 28 27 26 25   16 15 14 13 12 11 10 9

24 23 22 21 20 19 18 17   8 7 6 5 4 3 2 1

< 2.2 > KVM port & Cat6 dongle connection

DG-100C
USB-C dongle

DG-100P
DP-USB dongle

DG-100H
HDMI-USB dongle

DG-100SD
DVI-USB dongle

DG-100S
VGA-USB dongle

Cat6 Dongle

Resolution Support	Frequency (Hz)
1920 x 1200	60
1920 x 1080	60
1600 x 1200	60
1440 x 900	60
1280 x 1024	60
1024 x 768	60 / 70 / 75
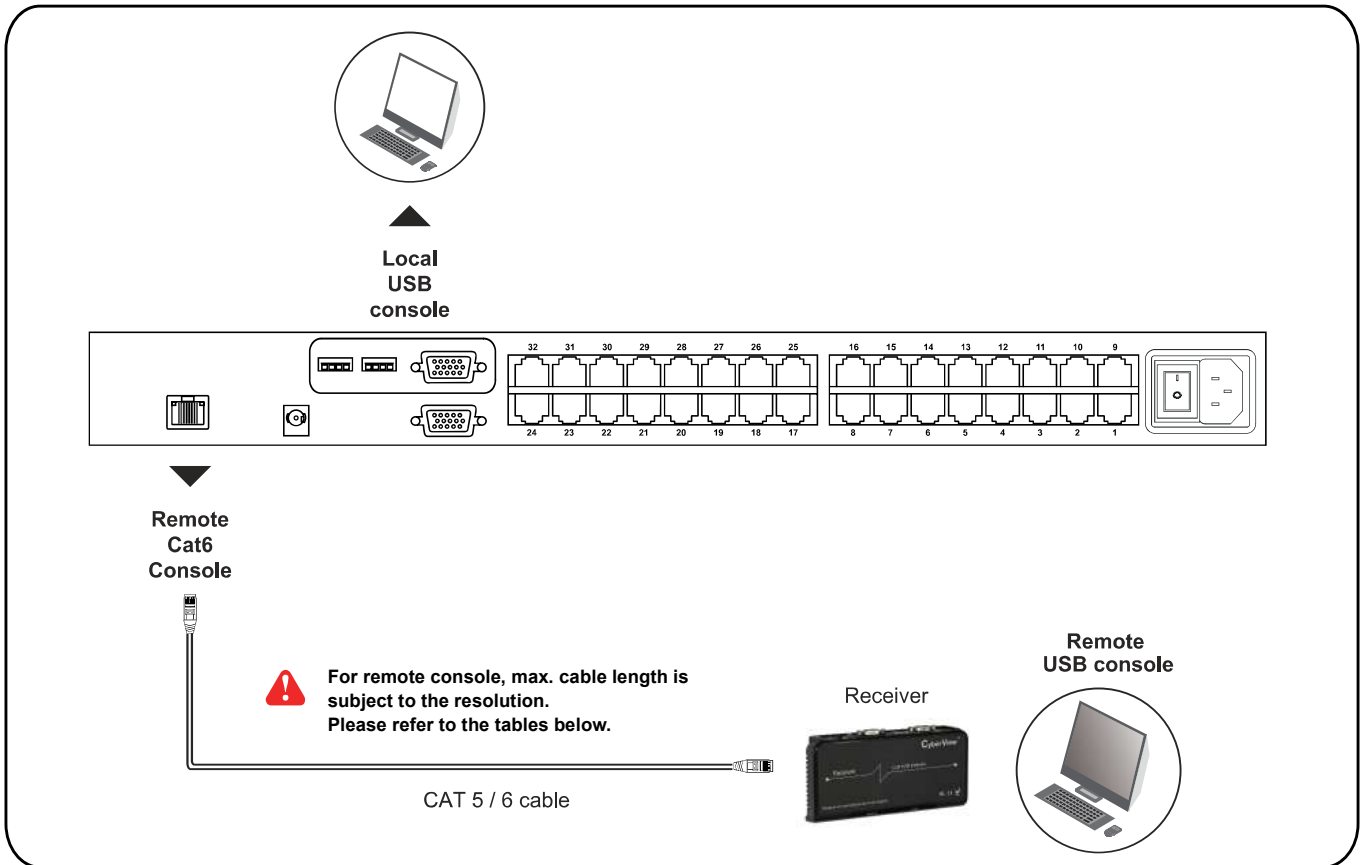
Remote Console

Resolution Support	Frequency (Hz)	Max. Cat6 Cable Length (M)
1920 x 1080	60	50
1920 x 1200	60	50
1600 x 1200	60	100
1440 x 900	60	100
1280 x 1024	60	150
1024 x 768	60 / 70 / 75	150

Receiver

Front

Power   VGA   KB   Local Computer   Remote I/O

Mouse

Rear

Remote LED   Local LED

Select button
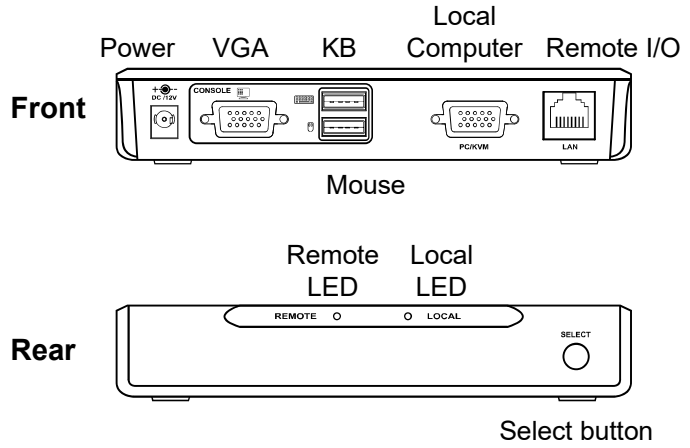
⚠️ **The receiver provides a hotkey function for remote console. Please refer to P.23**
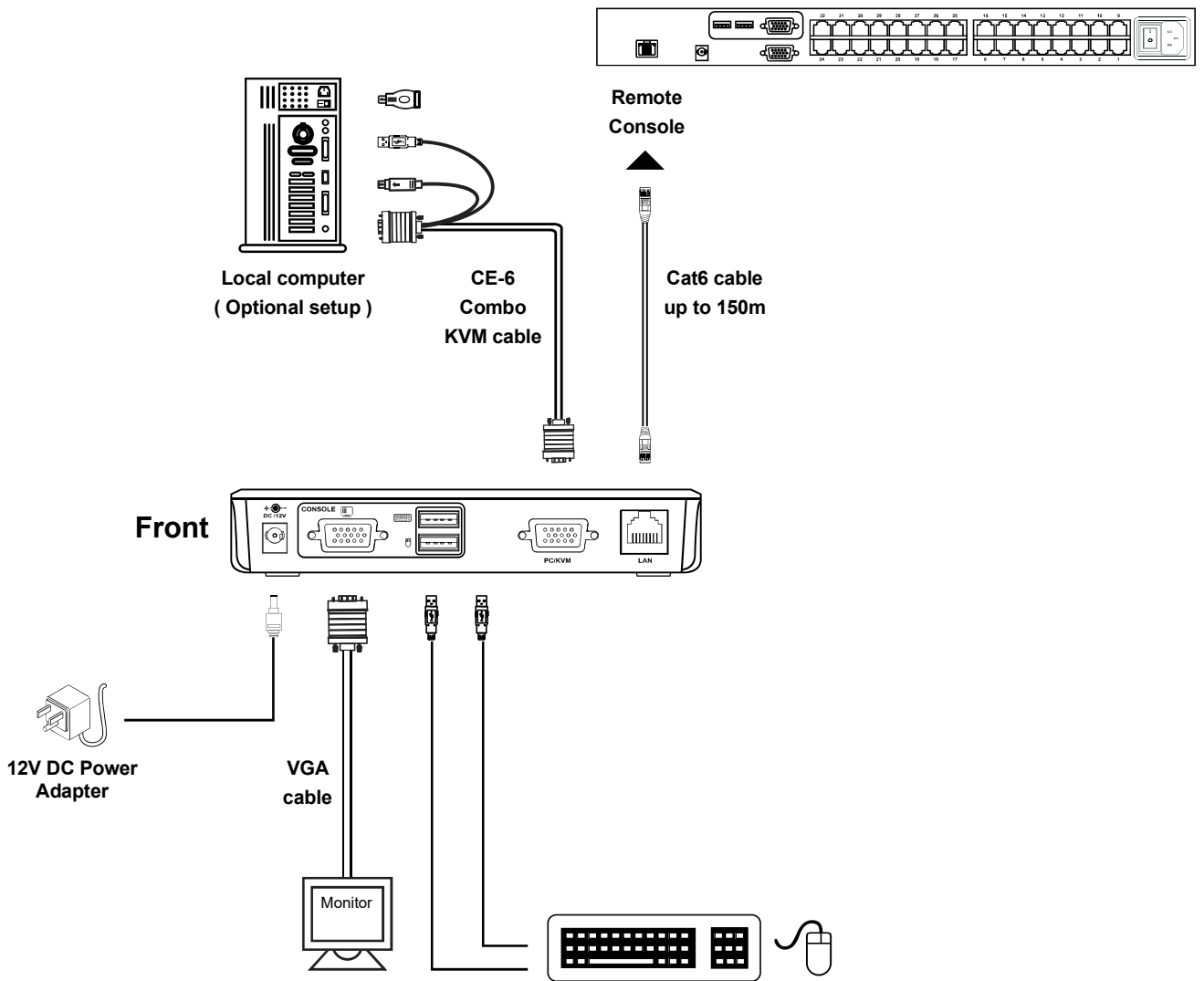
Local computer
(Optional setup)

CE-6
Combo
KVM cable

Remote
Console

Cat6 cable
up to 150m

Front

12V DC Power
Adapter

VGA
cable

Monitor

< 2.4 > KVM Cascade

■ Cascade up to 8 levels, 256 servers
■ Cascading multiple KVM with CBC-6 cascade cable.

⚠ **Cascaded KVMs from level 2 to 8 must be the models of U-801 / U-1601 / U-3201.**

⚠ **When multiple Cat6 KVMs cascade together, the master KVM at level 1 will take all control of other Expansion KVM switches (e.g. level 2 to 8).**

CBC-6

■ 6ft Combo KVM cascade cable

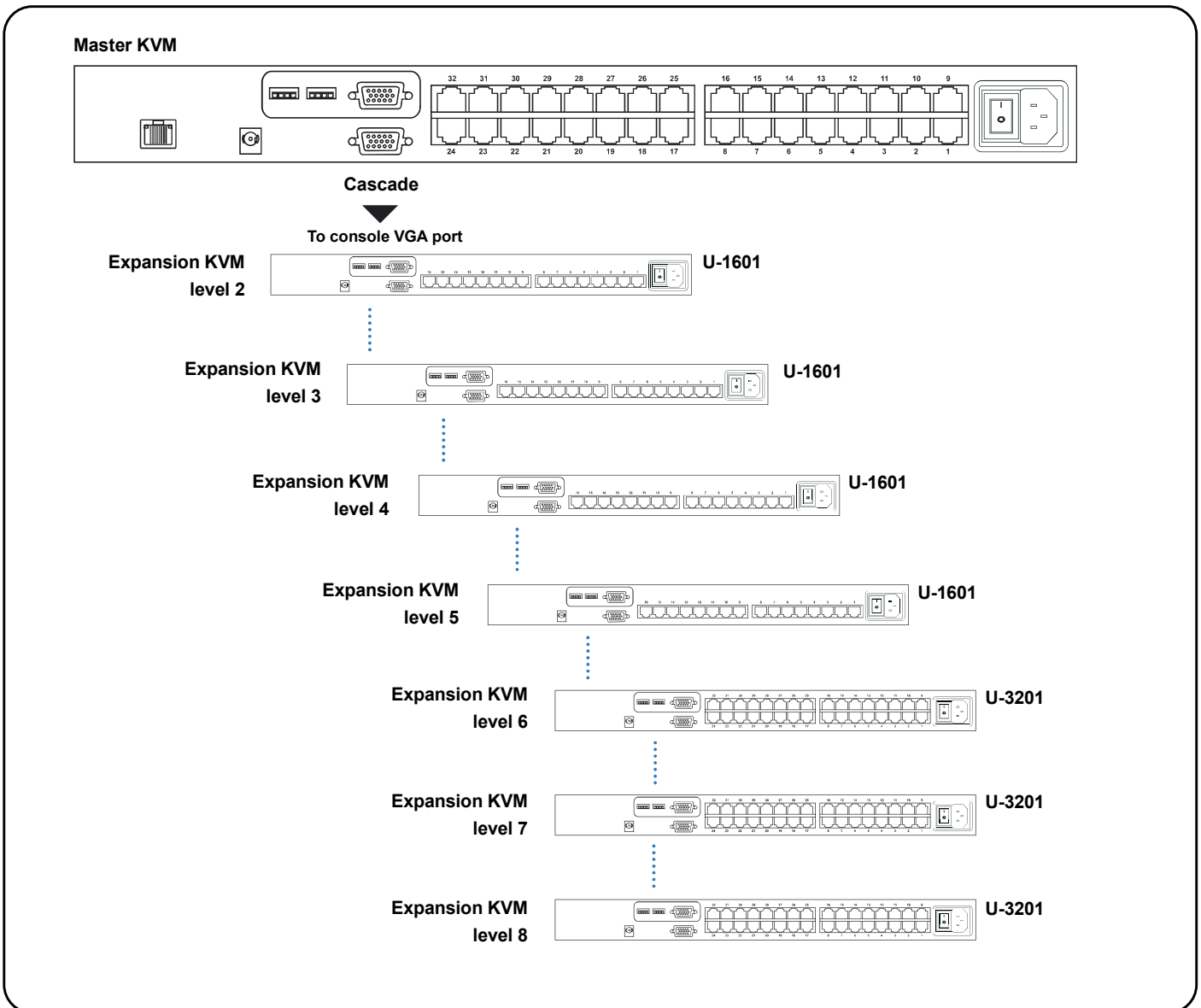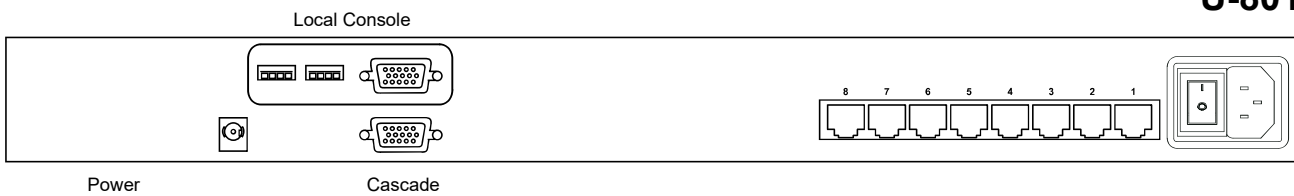|	U-802	U-1602	U-3202
■ **KVM Port**			
Number of ports :	8, 16 or 32		
Connector :	RJ-45		
Connectivity :	DVI-D / VGA connector dongle up to 40 meters (132 feet) via Cat6 / Cat5 cable		
■ **Local Console**			
Graphic connector :	1 x DB-15 VGA		
Input device :	2 x USB type A for keyboard & mouse		
Resolution support :	4 : 3 - max. 1600 x 1200		
	16 : 9 - max. 1920 x 1080		
	16:10 - max. 1440 x 900		
■ **Remote Console**			
Connector :	1 x DB 15-pin, VGA		
Input device :	2 x USB type A for keyboard & mouse		
Remote I/O :	RJ45 via Cat5 / Cat5e / Cat6 cable up to 500 feet		
Compensation :	Auto adjust for cable length		
Resolution support :	4 : 3 - max. 1600 x 1200		
	16 : 9 - max. 1920 x 1080		
	16:10 - max. 1920 x 1200		
■ **Expansion:**	Up to 256 servers by 8-level cascade		
■ **Compatibility**			
Hardware :	HP / IBM / Dell PC, Server and Blade Server SUN / Mac		
OS Support :	Windows / Linux / Unix / Mac OS		
■ **Power**			
Input :	Auto sensing 100 to 240VAC, 50 / 60 Hz		
Option DC :	12V / 24V / 48V / 125V DC input		
Consumption :	Max. 14W		
■ **Compliance**			
EMC :	FCC & CE		
Safety :	CE / LVD & UKCA		
Environment :	RoHS3 & REACH / WEEE		
■ **Environmental**	**Operating**	**Storage / Non-operating**	
Temperature :	0 to 55°C degree	-20 to 60°C degree	
Humidity :	10~90%, non-condensing	5~90%, non-condensing	
Altitude :	16,000 ft	40,000 ft	
Shock :	-	10G acceleration (11ms duration)	
Vibration :	-	10~300Hz 0.5G RMS random vibration	
■ **Product Information**			
Dimension (W x D x H) :	443 x 171 x 44 mm / 17.4 x 6.7 x 1.73 inch		
Net weight :	3 kg / 6.5 lb		
■ **Packing Information**			
Dimension (W x D x H) :	500 x 400 x 140 mm / 19.7 x 15.8 x 5.5 inch		
Net weight :	5 kg / 11 lb		

U-801 / U-1601 / U-3201
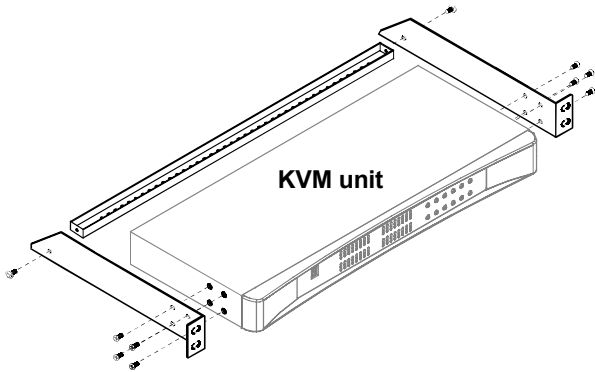
KVM unit

- **U-801 or U-1601 or U-3201 KVM unit x 1**
- **Mounting set w/ bracket & screws x 1**
- **Power cord (for KVM) x 1**

U-801

Local Console

Power   Cascade

8 7 6 5 4 3 2 1

U-1601

16 15 14 13 12 11 10 9   8 7 6 5 4 3 2 1

U-3201

32 31 30 29 28 27 26 25   16 15 14 13 12 11 10 9

24 23 22 21 20 19 18 17   8 7 6 5 4 3 2 1

DG-100C
USB-C dongle

DG-100P
DP-USB dongle

DG-100H
HDMI-USB dongle

DG-100SD
DVI-USB dongle

DG-100S
VGA-USB dongle

Servers

DG-100C — USB-C

CAT 5 / 6 cable

max. 40 meters

DG-100P — USB / DP

Cat6 KVM port

DG-100H — USB / HDMI

CAT 5 / 6 cable

max. 40 meters

DG-100SD — USB / DVI-D

DG-100S — USB / VGA

Servers

Cat6 Dongle

Resolution Support	Frequency (Hz)
1920 x 1200	60
1920 x 1080	60
1600 x 1200	60
1440 x 900	60
1280 x 1024	60
1024 x 768	60 / 70 / 75

- Cascade up to 8 levels, 256 servers
- Cascading multiple KVM with CBC-6 cascade cable.

⚠️ **Cascaded KVMs from level 2 to 8 must be the models of U-801 / U-1601 / U-3201.**

⚠️ **When multiple Cat6 KVMs cascade together, the master KVM at level 1 will take all control of other Expansion KVM switches (e.g. level 2 to 8).**

Master KVM

Cascade

To console VGA port

Expansion KVM level 2	U-1601
Expansion KVM level 3	U-1601
Expansion KVM level 4	U-1601
Expansion KVM level 5	U-1601
Expansion KVM level 6	U-3201
Expansion KVM level 7	U-3201
Expansion KVM level 8	U-3201

CBC-6

- 6ft Combo KVM cascade cable

	U-801 U-1601 U-3201	
■ **KVM Port**		
Number of ports :	8, 16 or 32	
Connector :	RJ-45	
Connectivity :	DVI-D / VGA connector dongle up to 40 meters (132 feet) via Cat6 / Cat5 cable	
■ **Local Console**		
Graphic connector :	1 x DB-15 VGA	
Input device :	2 x USB type A for keyboard & mouse	
Resolution support :	4: 3 - max. 1600 x 1200	
	16: 9 - max. 1920 x 1080	
	16:10 - max. 1440 x 900	
■ **Management**		
Multilingual OSD :	English, France, German, Spanish, Italian, Russian, Simplified Chinese, Japanese	
Hotkey combination :	Scroll-lock, Cap-lock, Num-lock, Alt, Ctrl & Win	
Security :	Password enable & disable, up to 8 users profile for port access	
PC Selection :	Front button, OSD menu & hotkey	
■ **Expansion:**	Up to 256 servers by 8-level cascade	
■ **Compatibility**		
Hardware :	HP / IBM / Dell PC, Server and Blade Server SUN / Mac	
OS Support :	Windows / Linux / Unix / Mac OS	
■ **Power**		
Input :	Auto sensing 100 to 240VAC, 50 / 60 Hz	
Option DC :	12V / 24V / 48V / 125V DC input	
Consumption :	Max. 11W	
■ **Compliance**		
EMC :	FCC & CE	
Safety :	CE / LVD & UKCA	
Environment :	RoHS3 & REACH / WEEE	
■ **Environmental**	**Operating**	**Storage / Non-operating**
Temperature :	0 to 55°C degree	-20 to 60°C degree
Humidity :	10~90%, non-condensing	5~90%, non-condensing
Altitude :	16,000 ft	40,000 ft
Shock :	-	10G acceleration (11ms duration)
Vibration :	-	10~300Hz 0.5G RMS random vibration
■ **Product Information**		
Dimension (W x D x H) :	443 x 171 x 44 mm / 17.4 x 6.7 x 1.73 inch	
Net weight :	3 kg / 6.5 lb	
■ **Packing Information**		
Dimension (W x D x H) :	500 x 400 x 140 mm / 19.7 x 15.8 x 5.5 inch	
Net weight :	5 kg / 11 lb	

Power ON

- ■ Turn off all servers and KVM switches
- ■ Make sure all cables / connectors are properly connected
- ■ Recommend Power ON sequence is monitor, KVM switch finally computer

Front Panel - Port LED Indications

8 ports

Bank no.	PC port LEDs	Channel button	Bank button
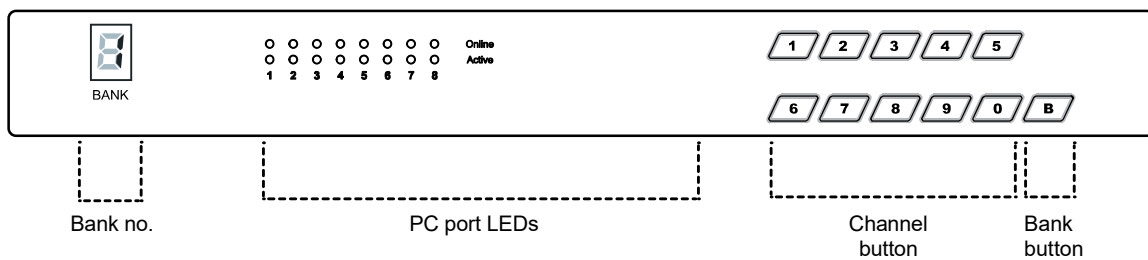
16 ports
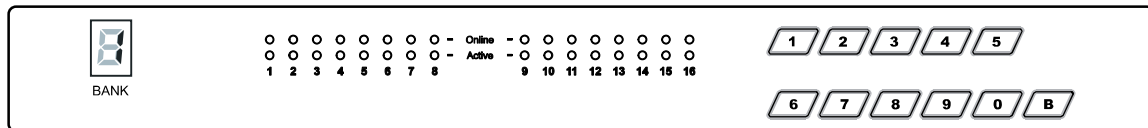
32 ports
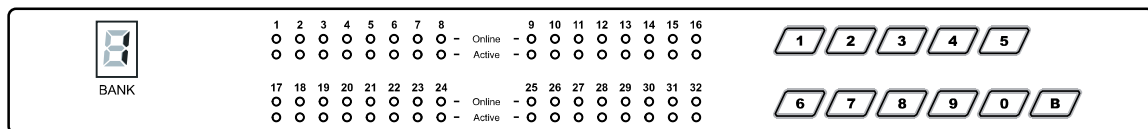
Bank no.	7-Segment BANK LED indication
PC port LEDs	*Online* : **Blue** LED on indicating a PC is connecting to the port
	Active : **Green** LED on indicating a selected channel
Channel button	Press to select channel from 01 to 32
Bank button	Select the bank from 1 to 8

The password is enabled by default, the default password is "00000000" eight zeros **(Do not use "0" on number pad)**

■ **Enable password**
1. Press the KVM hotkey **Scroll Lock + Scroll Lock + U**
2. Logout the KVM by pressing the hotkey **Scroll Lock + Scroll Lock + P**
3. In SUPERVISOR level, enter "00000000" eight zeros in user name & password field
   (Do not use "0" on number pad)
4. In USER level, press **Space bar** + **Enter** in user name & password field

   Remark: Automatic logout after 10 minutes of inactivity

■ **Set your own user name & password**
1. Login the KVM in SUPERVISOR level by pressing "00000000" eight zeros in user name & password field
2. Call KVM OSD menu by pressing the KVM hotkey **Scroll Lock + Scroll Lock + Space Bar**
3. Press **F1** to the MAIN MENU
4. Select "USER SECURITY"
5. Set password in SUPERVISOR & USER level
   a. In the left-top row "S" (SUPERVISOR), press **Enter** to set your own user name & password
   b. In the row 1 to 8 (USER), press **Enter** to set your own user name & password
6. Press **Enter** to save the setting or press **Esc** to cancel the editing without any change

   Remark: a. Blank has underscore, while SPACE doesn't have
                 b. Press any alphanumeric key to move to next input item. SPACE is treated as a valid character

■ **Change your password**
1. Login the KVM in SUPERVISOR level by pressing your own user name & password
2. Call KVM OSD menu by pressing the KVM hotkey **Scroll Lock + Scroll Lock + Space Bar**
3. Press **F1** to the MAIN MENU
4. Select "USER SECURITY"
5. Change password in SUPERVISOR & USER level
   a. In the left-top row "S" (SUPERVISOR), press **Enter** to change your user name & password
   b. In the row 1 to 8 (USER), press **Enter** to change your user name & password
6. Press **Enter** to save the setting or press **Esc** to cancel the editing without any change

   Remark: a. Blank has underscore, while SPACE doesn't have
                 b. Press any alphanumeric key to move to next input item. SPACE is treated as a valid character

■ **Disable your password**
1. Press the KVM hotkey **Scroll Lock + Scroll Lock + U**
2. Logout the KVM by pressing the KVM hotkey **Scroll Lock + Scroll Lock + P**
3. You don't need user name & password to access the KVM OSD menu

■ **Forget your password**
Please contact your supplier for further support

Remark:
■ You must press the KVM hotkey within 2 seconds
■ A beep sound will be heard for successful entering KVM hotkey

OSD Menu

```
PORT  NAME

BANK : 1                        F1 : MENU
01☼ SYSTEM      01☞           F2 : LOGOUT
02☼ SYSTEM      02            F3 : PREV
03☼ SYSTEM      03            ESC : QUIT
04☼ SYSTEM      04            ENTER : COMPLETE
05☼ SYSTEM      05            ⬆/⬇ : SELECT
06☼ SYSTEM      06            PgUp/PgDn :
07☼ SYSTEM      07            BANK SELECT
08☼ SYSTEM      08
                              USER :
                              SUPERVISOR
                              SCAN TIME :
                              10 SEC        FW1V3
```

OSD operation

☼ next to the system name	The PC is powered on
☞ next to the system name	The PC is selected
F1	Access F1 MAIN MENU
F2	Logout the OSD menu
F3	Previous menu
Esc	Cancel / Quit
Enter	Complete / Switch to selected port
⬆/⬇	Switch to previous or next port
PgUp/PgDn	Switch to previous bank or next bank
1 / 2 / 3 / 4	Display port 01 ~ 08 / 09 ~ 16 / 17 ~ 24 / 25 ~ 32 Remark: Display port 17 ~ 32 for 32 port model only

F1 Main Menu

```
MAIN  MENU                          ☜ X

SELECT OPTION :
01     LANGUAGE
02     PORT NAME  EDIT
03     PORT SEARCH
04     USER SECURITY
05     ACCESS LIST
06     HOTKEY
07     TIME SETTINGS
08     OSD MOUSE
```

01	LANGUAGE	OSD language change
02	PORT NAME EDIT	Define port name
03	PORT SEARCH	Quick searching by port name
04	USER SECURITY	Change password
05	ACCESS LIST	Define user access authority
06	HOTKEY	Change hotkey
07	TIME SETTINGS	Modify scan display time interval
08	OSD MOUSE	Modify OSD mouse speed

Local / IP Remote Console Hotkey

| Local / IP Remote Console Hotkey	Function
Scroll Lock + **Scroll Lock** + **Space Bar**	Calling OSD menu
Right-button mouse + **Esc**	Calling OSD menu
Scroll Lock + **Scroll Lock** + ⬆	Switch to previous port
Scroll Lock + **Scroll Lock** + ⬇	Switch to next port
Scroll Lock + **Scroll Lock** + **PgUp / PgDn**	Switch to previous bank or next bank
Scroll Lock + **Scroll Lock** + Bank no. + Port no.	Switch to specific port
Scroll Lock + **Scroll Lock** + **B**	Turn the buzzer ON and OFF * Default the buzzer is ON
Scroll Lock + **Scroll Lock** + **P**	Logout the KVM if password security is ON. Show up the status windows

Advance hotkeys (for Supervisor login only)

Advance hotkeys (for Supervisor login only)	Function
Scroll Lock + **Scroll Lock** + **S**	Activate auto-scan mode for connected servers *Press any key to exit the auto-scan mode
Scroll Lock + **Scroll Lock** + **R**	Reset all the KVM settings to factory default *Except User Security settings
Scroll Lock + **Scroll Lock** + **U**	Disable and enable password security *Default security is ON
Scroll Lock + **Scroll Lock** + **L**	To enable / disable the screen saving function and 10 minutes auto-logout *Default the screen saving is OFF

Remarks:
- Example of "**Scroll Lock** + **Scroll Lock** + Bank no. + Port no."
  - Bank No. : 1 to 8
  - Port No. : 01 to 32
  - e.g. Bank 1 Port 4 : **Scroll Lock** + **Scroll Lock** + **1** + **0** + **4**
  - e.g. Bank 2 Port 16 : **Scroll Lock** + **Scroll Lock** + **2** + **1** + **6**
- You must press the hotkey within 2 seconds
- A beep sound will be heard for successful entering
- The numeric keypad is not supported, while in OSD screen, the arrow keys, PgUp, PgDn, and Enter keys are supports

Cat6 Remote Console Hotkey

Cat6 Remote Console Hotkey	Function
Scroll Lock + **Scroll Lock** + **C**	Toggle switch between remote & local port
Scroll Lock + **Scroll Lock** + **Q**	Turn the buzzer ON & OFF *Default the buzzer is ON
Scroll Lock + **Scroll Lock** + **S**	Activate auto-scan mode for remote & local port *The scan time interval is 5 seconds
Scroll Lock + **Scroll Lock** + **A**	Auto-adjust the video signal
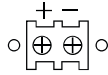
Model	12V	24V	48V	125V	250V
Input rating					
Input voltage:	12-Volt	24-Volt	48-Volt	110-Volt	300-Volt
Input range:	9 ~ 18V	18 ~ 36V	36 ~ 75V	66 ~ 160V	180 ~ 425V
Input current					
- No load	50 mA	50 mA	50 mA	35 mA	10 mA
- Full load	4950 mA	2450 mA	1220 mA	749 mA	600 mA
Output rating					
Output voltage:	12-Volt	12-Volt	12-Volt	12-Volt	12-Volt
Output current:	4.16A	4.16A	4.16A	6.25A	12.5A
Efficiency	84%	85%	85%	91%	86%

*** For DC power option :

(1) If the unit with LCD, | earthing | **may be required** ⚠

(2) DC power excludes AC power cord.

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