User Manual

Combo Cat6
IP **2-console KVM**

U-IP802 / 1602 / 3202

c(UL) FC CE RoHS REACH

Combo Cat6
2-console KVM

U-802 / 1602 / 3202

c(UL) FC CE RoHS REACH

Combo Cat6 KVM

U-801 / 1601 / 3201

c(UL) FC CE RoHS REACH

751

Legal Information

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

UM-CV-751-UKVM-Q118V1

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
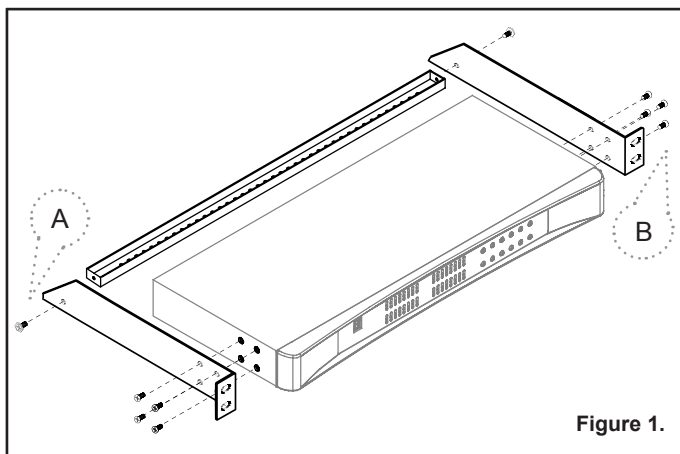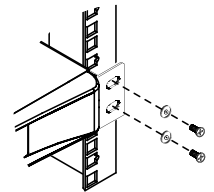

Figure 1.

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

< 1.1 > Package Contents

U-IP802 / U-IP1602 / U-IP1602
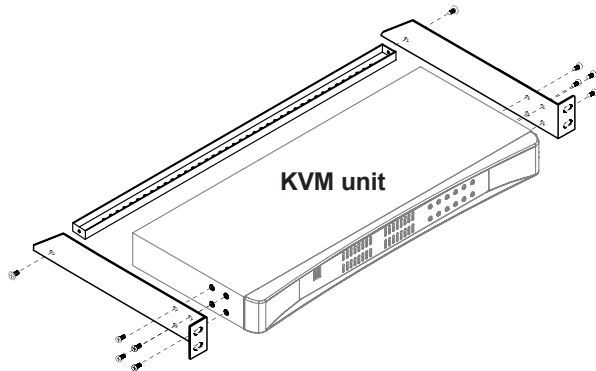
KVM unit

- 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

8 7 6 5 4 3 2 1

IP   Cascade   Power

UIP-1602

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

UIP-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

< 1.2 > KVM port & Cat6 dongle connection

DG-100P
DP-USB dongle

DG-100H
HDMI-USB dongle

DG-100SD
DVI-USB dongle

DG-100S
VGA-USB dongle

DG-100
VGA-PS/2 dongle

Servers

DG-100P   USB

DP

CAT 5 / 6 cable

max. 40 meters

DG-100H   USB

HDMI

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-100SD   USB

DVI-D

CAT 5 / 6 cable

max. 40 meters

DG-100S   USB

VGA

Servers

PS/2

DG-100

VGA

Cat6 Dongle

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

< 1.3 > IP & Local console connection

IP Console

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

After the cable connection, please take the following steps to configure the IP KVM :

1. Download IPKVMsetup.exe from the link:

www.austin-hughes.com/support/utilities/cyberview/IPKVMsetup.exe

2. Double click IPKVMsetup.exe to configure the IP KVM by device setup as below.

3. Click **Refresh Device** to search the connected IP KVM
4. Select the M.A.C. address, which you want to setup, then click **Query Device**
5. Enter Super user login. **The default is super**
6. Enter Super user password. **The default is pass**
7. Enter the new super user password
8. Re-enter the new password
9. Change the desired IP address / Subnet mask / Gateway, then click **Setup Device** to confirm the setting to IP KVM
10. The default address is as below:--
■   The single IP KVM model, such as U-IP3202   - http://192.168.1.22

11. Open Internet Explorer (I.E.), version 6.0 or above

12. Enter the IP KVM address into the address bar
- For Single IP - http://192.168.1.22

13. Enter username (default is super)
Password (default is pass)

14. After successful login to IP KVM, the user will enter the main page of IP KVM

> **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**

⚠️ You must complete the following tasks after the IP console setting is performed.

(1) TARGET SERVER SETUP   **Servers connected to KVM

Resolution
The IP KVM remote console recognizes several varieties of video display formats with resolutions up to 1600 x 1200 @60Hz. (Refer to the User Manual for a list of supported video formats). Minimize bandwidth by setting the target server's video resolution to the minimum setting required for your remote monitoring application.

The following video modes are recommended:
(i)   1024 x 768 @ 60Hz
(ii)   1280 x 1024 @ 60Hz

On a Windows target server system, select Control Panel > Display > Settings.
Modify the screen resolution value as necessary.

Mouse
Use generic mouse drivers for optimum mouse control during remote sessions. Set the mouse pointer speed to a middle setting with no acceleration or snap-to effects.

On a Windows target server system, select Control Panel > Mouse > Pointer Options
Set the pointer speed to medium and disable Enhanced pointer precision

For Linux GUIs, set the mouse acceleration to exactly 1 and the threshold to exactly 1.

⚠️ If your keyboard keeps repeating keys when it is plugged into the KVM. Please follow either one below :

(a.)
Enable key release timeout if you experience duplicated keystrokes during poor network performance.
- login to IP KVM remote console
- go to Interfaces KVM settings > Keyboard / Mouse
- click the Key Release Timeout
- adjust Timeout after if necessary

(b.)
Reduce video bandwidth usage if you experience duplicated keystrokes during poor network
- login to IP KVM remote console
- go to Interfaces KVM Settings > User Console > Transmission Encoding,
- select Manually
- adjust Compression to [0-none] and Color depth to [8-bit – 256 col]

(2) REMOTE CLIENT COMPUTER SETUP

The remote client computer must have a web browser (such as Microsoft Internet Explorer, Mozilla Firefox, and Netscape Navigator) and a Java Virtual Machine (version 1.4 or higher) installed. Enable Java on the web browser.

⚠️ **JAVA Update for IP KVM**

Due to the latest update from Java security, customer may face the "JAVA Block" message while accessing the remote console over IP as below :


If it said so, please download the latest IP KVM firmware (version aust-i11-150608) from the link below :
http://www.austin-hughes.com/resources/software/kvm-switch

Then follow the attached steps to update the firmware.

Firmware Update Steps

1) Download the latest IP KVM firmware (version aust-i11-150608) from the link
   http://www.austin-hughes.com/resources/software/kvm-switch
2) Login the IP KVM
3) Click < Update Firmware >
4) Click < Browse > to select the firmware file
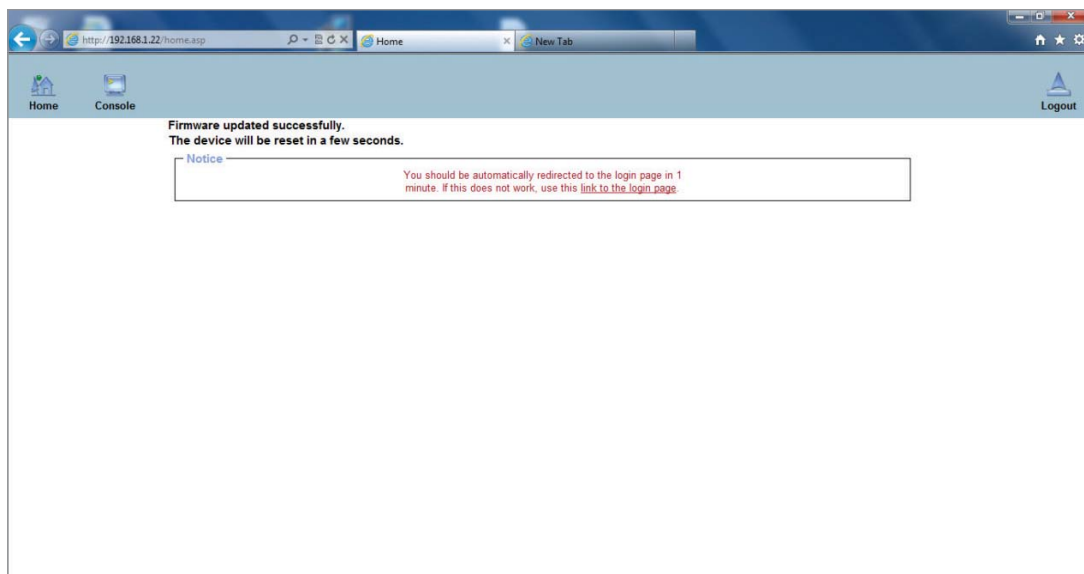5) Click < Upload >
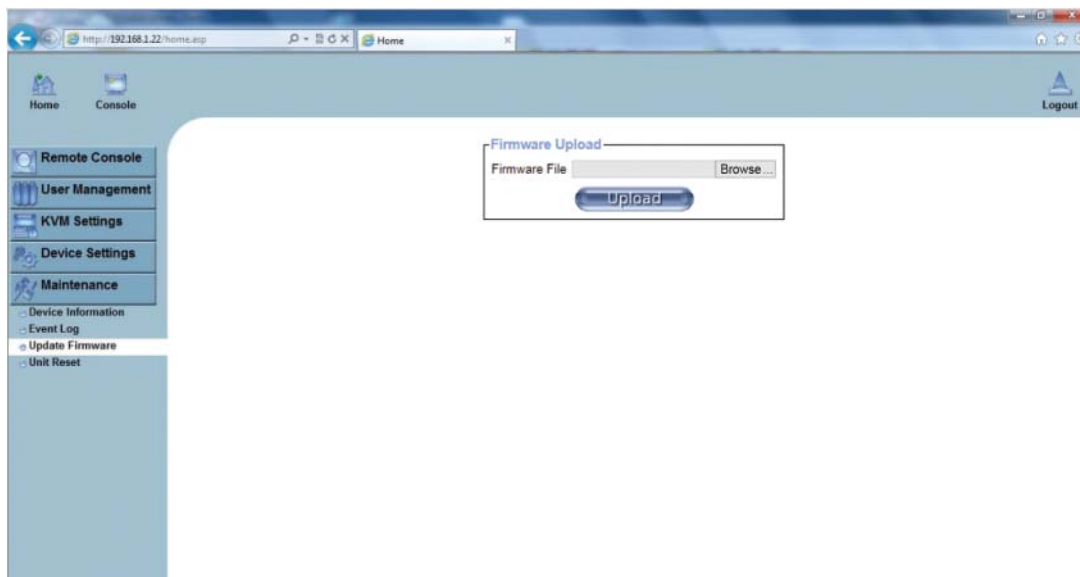
6) Click < Update >
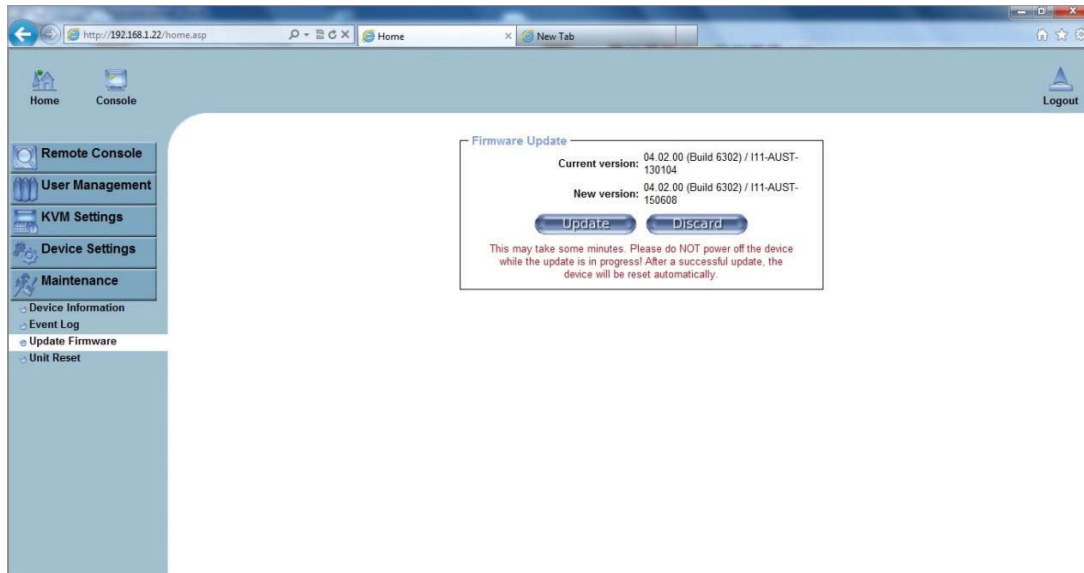
After the firmware has been updated, IP KVM will reset automatically.
After one minute, you will be redirected to the Login page and requested to login again.
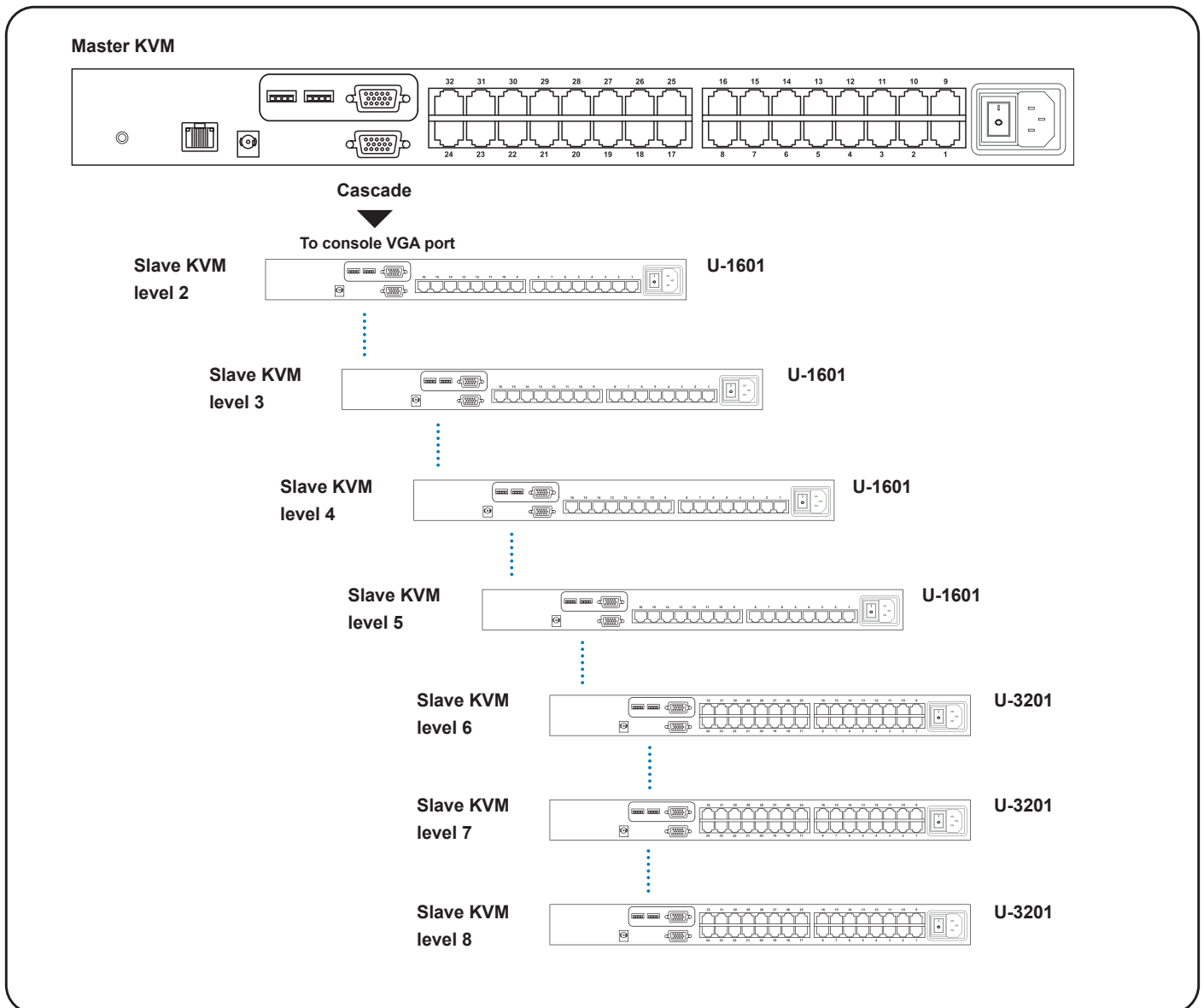

- Completed

- 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 combo Cat6 KVMs cascade together, the master KVM at level 1 will take all control of other slave KVM switches (e.g. level 2 to 8).**

Master KVM

Cascade

To console VGA port

Slave KVM level 2   U-1601

Slave KVM level 3   U-1601

Slave KVM level 4   U-1601

Slave KVM level 5   U-1601

Slave KVM level 6   U-3201

Slave KVM level 7   U-3201

Slave KVM level 8   U-3201

CBC-6

- 6ft Combo KVM cascade cable
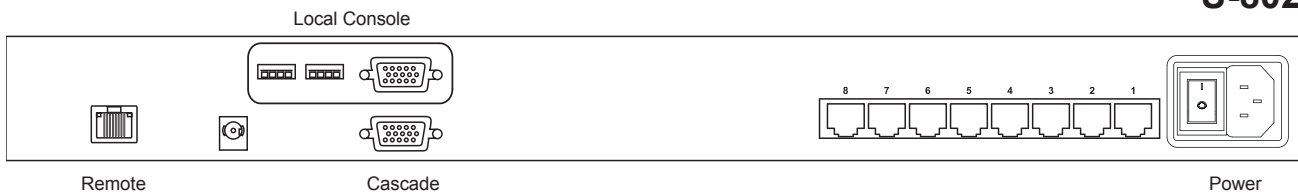
	U-IP802	**U-IP1602**	**U-IP3202**

■ **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

■ **IP Remote Console**

Connector :   RJ45 Ethernet
User management :   15-user login, 1 x active user
Network protocol :   DHCP / BOOTP / DNS
Security :   SSL v3, RSA, AES, HTTP / HTTPs, CSR
Browser :   IE, Firefox, Safari, Netscape
Resolution support :   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 / 250V DC input
Consumption :   Max. 19W

■ **Regulatory**

Safety :   cUL, FCC & CE certified
Environment :   RoHS2 & REACH compliant

■ **Environmental**	**Operating**	**Storage / Non-operating**
Temperature :	0 to 55°C degree	-20 to 60°C degree
Humidity :	20~90%, non-condensing	5~90%, non-condensing
Altitude :	16,000 ft	40,000 ft
Shock :	-	10G acceleration (11ms duration)
Vibration :	-	5~500Hz 1G RMS random

■ **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 90 mm / 19.7 x 15.7 x 3.5 inch
Net weight :   5 kg / 11 lb

Part 2. Combo Cat6 2-console KVM

< 2.1 > Package Contents

U-802 / U-1602 / U-3202
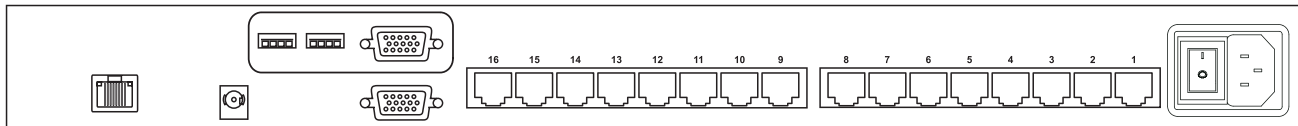

KVM unit

- 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
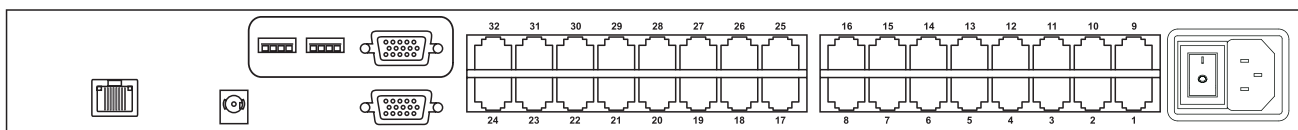- CE-6 6ft Combo KVM cable for receiver box x 1
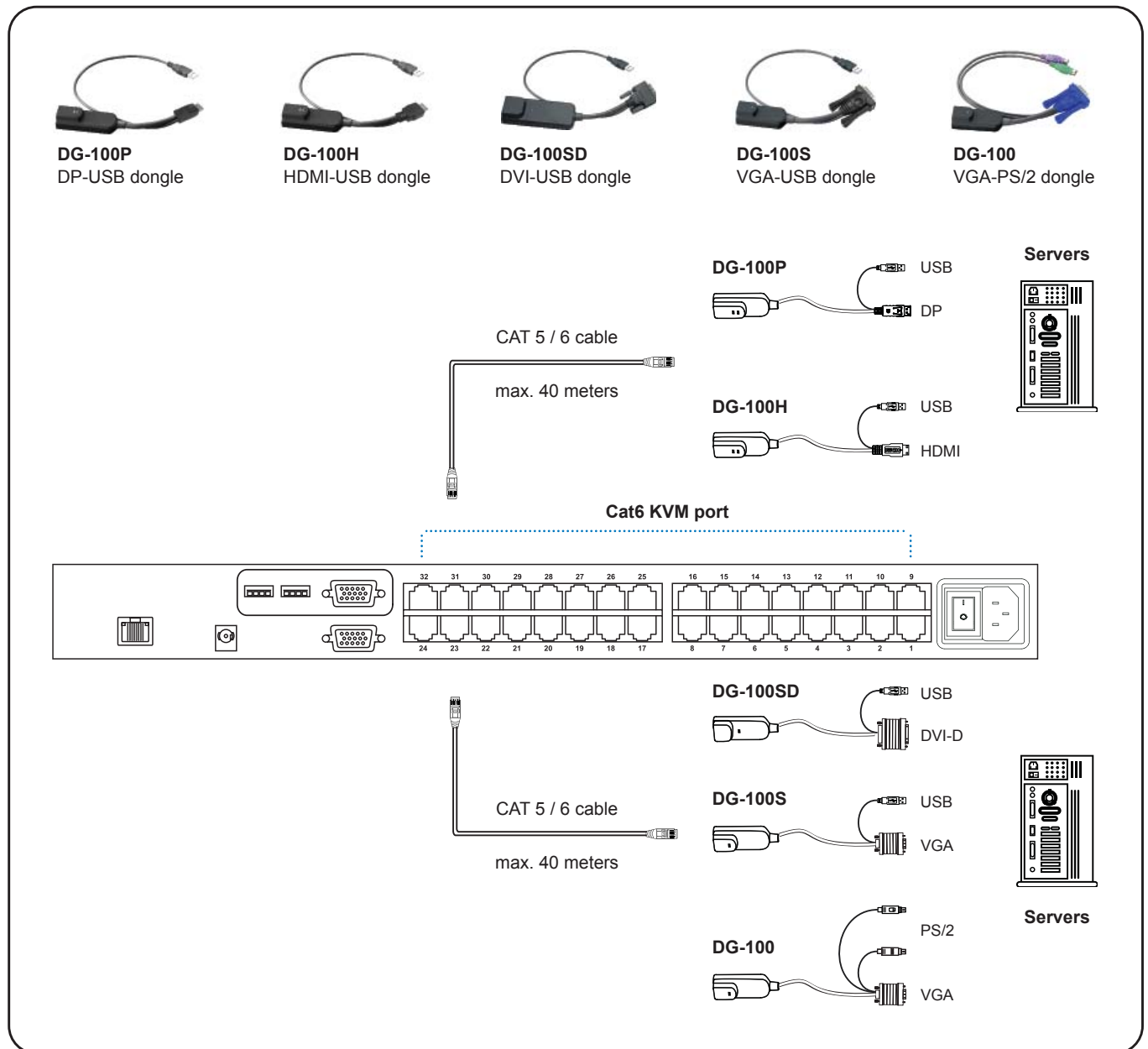
U-802

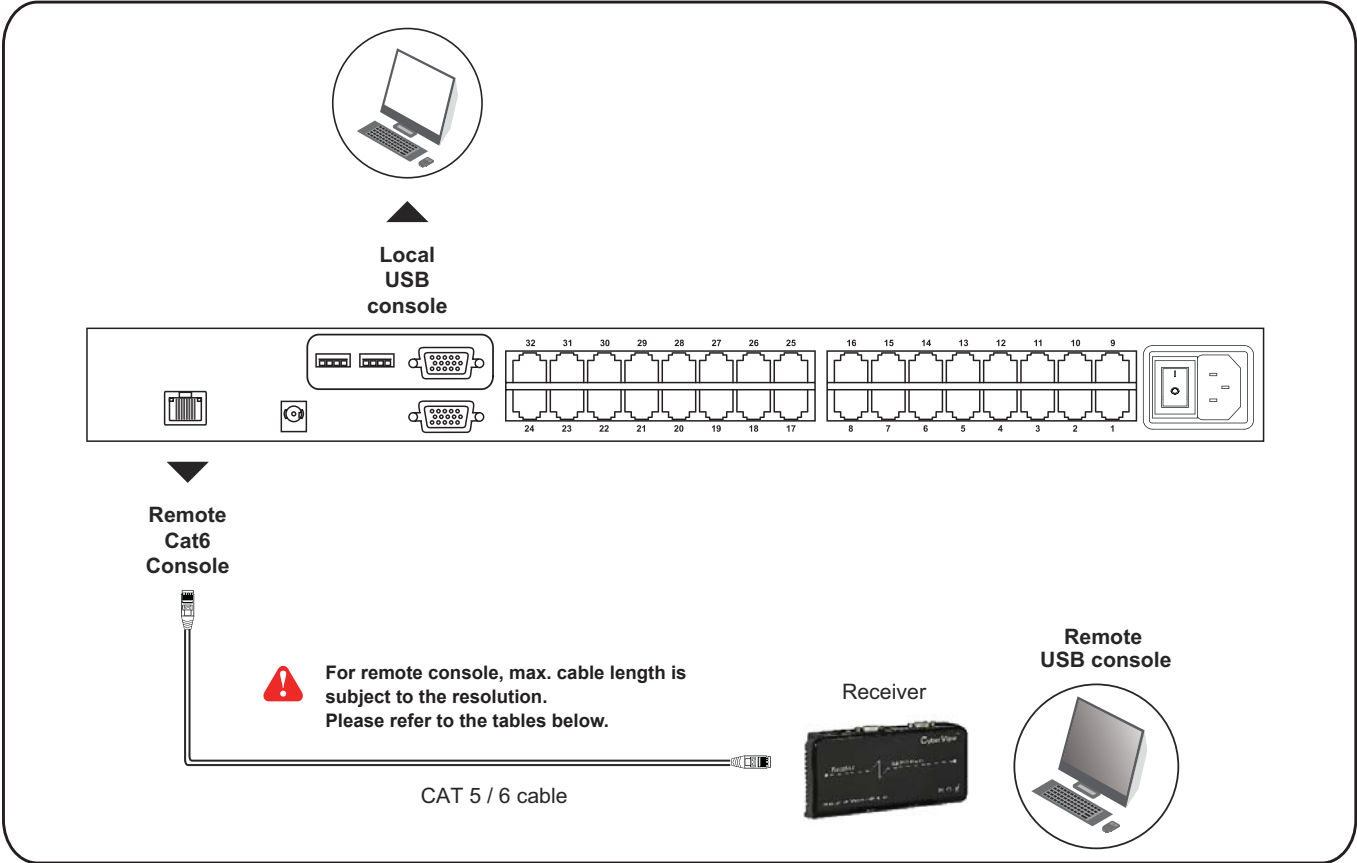Local Console

Remote   Cascade   Power

U-1602

U-3202

< 2.2 > KVM port & Cat6 dongle connection   Combo Cat6 2-console KVM

DG-100P
DP-USB dongle

DG-100H
HDMI-USB dongle

DG-100SD
DVI-USB dongle

DG-100S
VGA-USB dongle

DG-100
VGA-PS/2 dongle

Servers

DG-100P — USB / DP

CAT 5 / 6 cable

max. 40 meters

DG-100H — USB / HDMI

Cat6 KVM port

DG-100SD — USB / DVI-D

CAT 5 / 6 cable

DG-100S — USB / VGA

max. 40 meters

Servers

DG-100 — PS/2 / VGA

Cat6 Dongle

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

< 2.3 > Remote & Local console connection

Local USB console

Remote Cat6 Console

⚠ For remote console, max. cable length is subject to the resolution.
Please refer to the tables below.

CAT 5 / 6 cable

Receiver

Remote USB console

Remote Console

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

How to use a receiver to connect a remote console

Receiver

Front

Power   VGA   KB   Local Computer   Remote I/O

Mouse

Rear

Remote LED   Local LED

REMOTE   LOCAL

SELECT

Select button
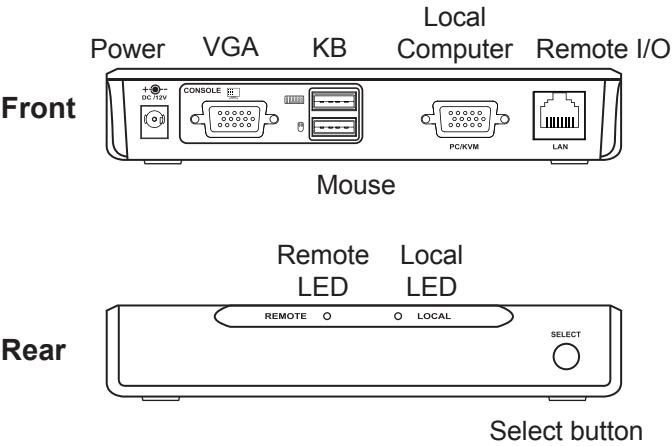
⚠ **The receiver provides a hotkey function for remote console. Please refer to P.23**

Remote Console

Local computer
(Optional setup)

CE-6
Combo
KVM cable

Cat6 cable
up to 150m

Front

12V DC Power
Adapter

VGA
cable

Monitor

< 2.4 > KVM Cascade

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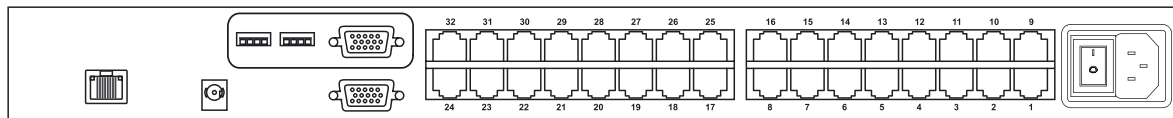- Cascading multiple KVM with CBC-6 cascade cable.

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

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

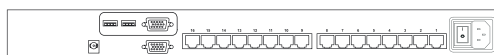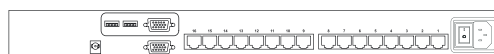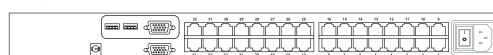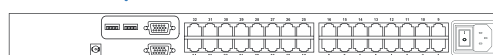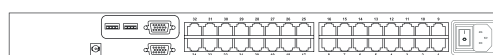## CBC-6

- 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		
■ 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		
■ 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 / 250V DC input		
Consumption :	Max. 14W		
■ Regulatory			
Safety :	cUL, FCC & CE certified		
Environment :	RoHS2 & REACH compliant		
■ Environmental	**Operating**		**Storage / Non-operating**
Temperature :	0 to 55°C degree		-20 to 60°C degree
Humidity :	20~90%, non-condensing		5~90%, non-condensing
Altitude :	16,000 ft		40,000 ft
Shock :	-		10G acceleration (11ms duration)
Vibration :	-		5~500Hz 1G RMS random
■ 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 90 mm / 19.7 x 15.7 x 3.5 inch		
Net weight :	5 kg / 11 lb		

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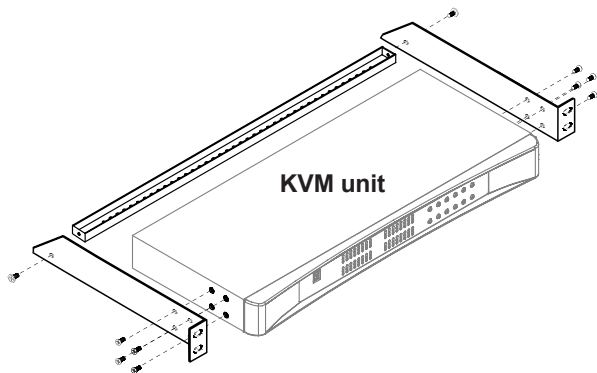
KVM unit

- 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
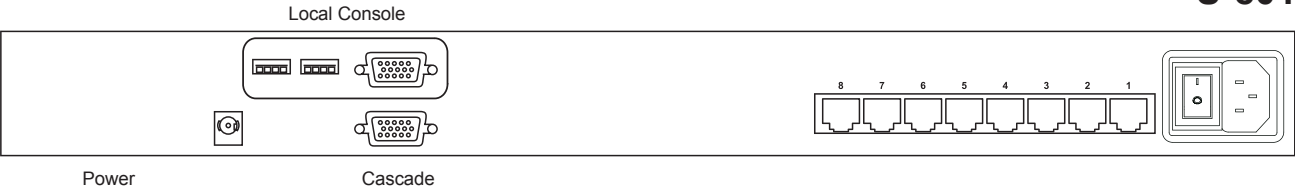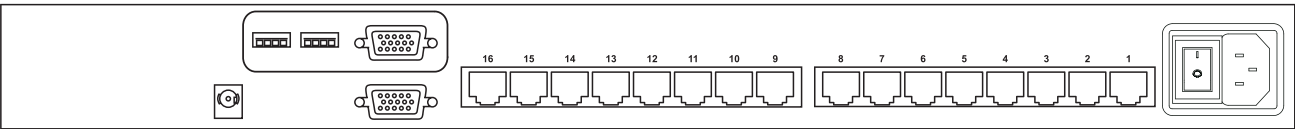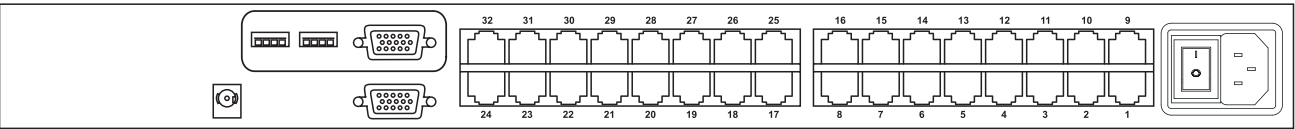
Local Console

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-100P
DP-USB dongle

DG-100H
HDMI-USB dongle

DG-100SD
DVI-USB dongle

DG-100S
VGA-USB dongle

DG-100
VGA-PS/2 dongle

Servers

DG-100P   USB
                     DP

CAT 5 / 6 cable

max. 40 meters

DG-100H   USB
                     HDMI

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-100SD   USB
                     DVI-D

CAT 5 / 6 cable

max. 40 meters

DG-100S   USB
                     VGA

Servers

                     PS/2
DG-100
                     VGA

Cat6 Dongle

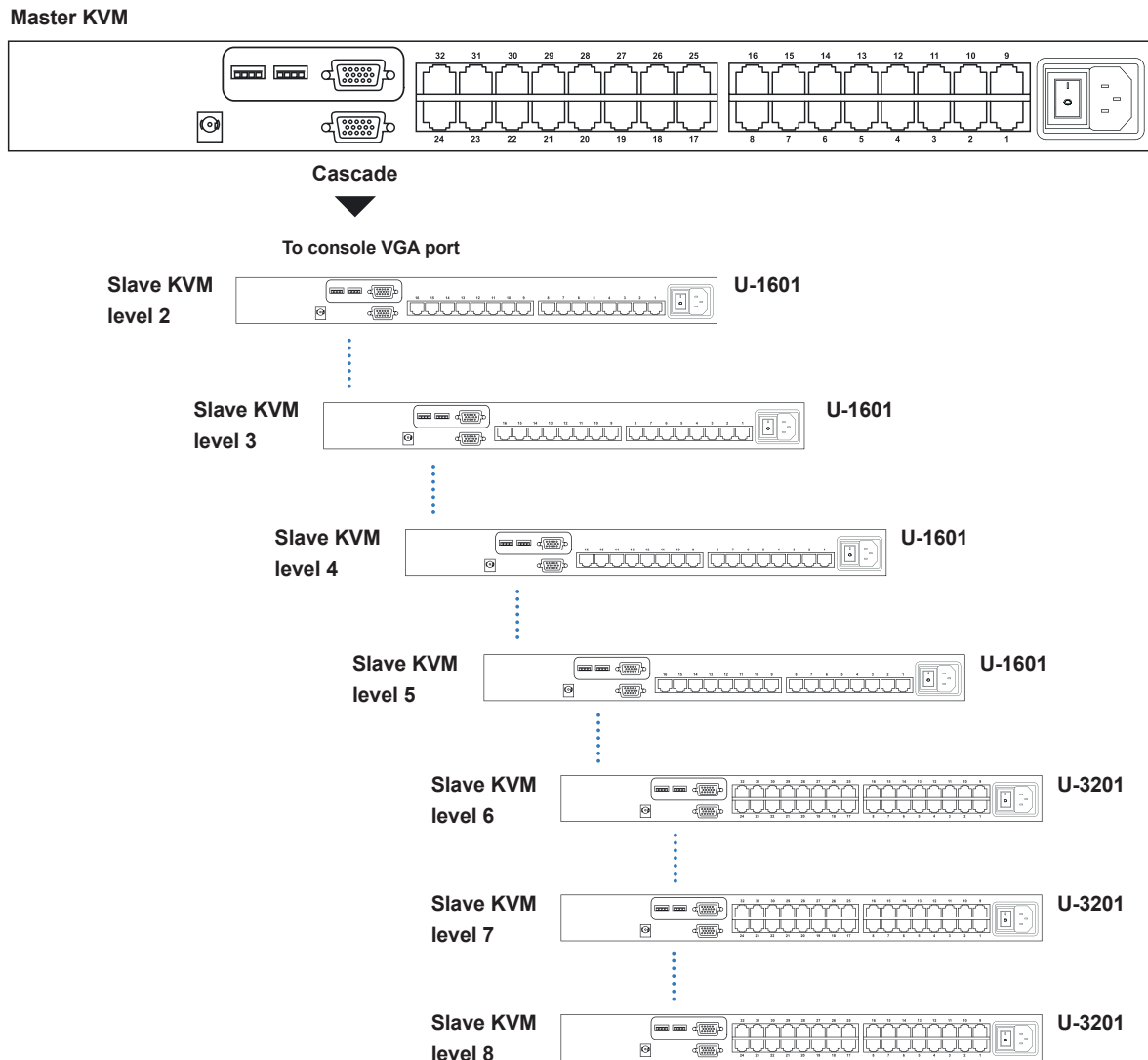| Resolution Support	Frequency (Hz)
1920 x 1080	60
1600 x 1200	60
1440 x 900	60
1280 x 1024	60
1024 x 768	60 / 70 / 75

< 3.3 > 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 combo Cat6 KVMs cascade together, the master KVM at level 1 will take all control of other slave KVM switches (e.g. level 2 to 8).**

Master KVM

Cascade

To console VGA port

Slave KVM level 2 — U-1601

Slave KVM level 3 — U-1601

Slave KVM level 4 — U-1601

Slave KVM level 5 — U-1601

Slave KVM level 6 — U-3201

Slave KVM level 7 — U-3201

Slave 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

■ **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 / 250V DC input

Consumption :   Max. 11W

■ **Regulatory**

Safety :   cUL, FCC & CE certified

Environment :   RoHS2 & REACH compliant

■ **Environmental**

	Operating	Storage / Non-operating
Temperature :	0 to 55°C degree	-20 to 60°C degree
Humidity :	20~90%, non-condensing	5~90%, non-condensing
Altitude :	16,000 ft	40,000 ft
Shock :	-	10G acceleration (11ms duration)
Vibration :	-	5~500Hz 1G RMS random

■ **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 90 mm / 19.7 x 15.7 x 3.5 inch
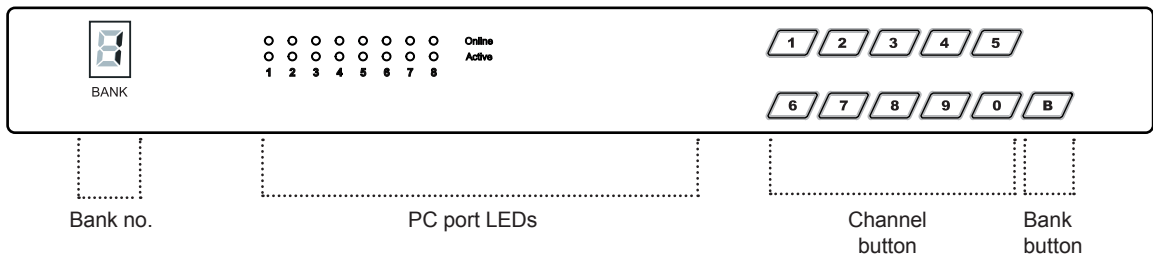
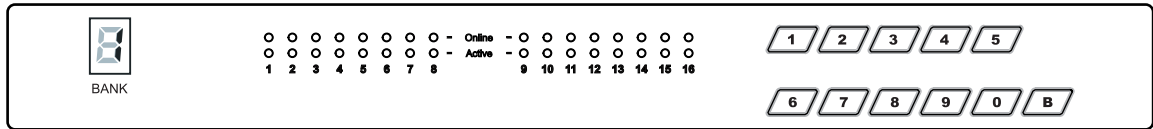Net weight :   5 kg / 11 lb

4.1 KVM Button

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
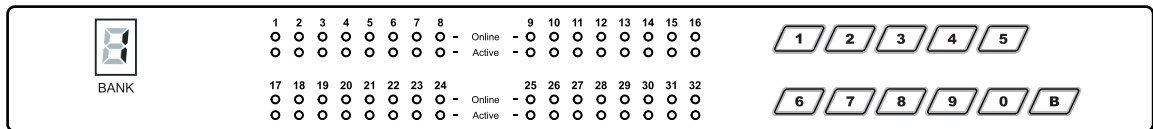
Front Panel - Port LED Indications

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 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)

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

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
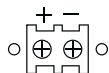
Model	12V	24V	48V	125V	250V
Input rating					
Input voltage:	12-Volt	24-Volt	48-Volt	110-Volt	300-Volt
Input range:	9 ~ 18V	18 ~ 36V	36 ~ 75V	66 ~ 160V	180 ~ 425V
Input current					
- No load	50 mA	50 mA	50 mA	35 mA	10 mA
- Full load	4950 mA	2450 mA	1220 mA	749 mA	600 mA
Output rating					
Output voltage:	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.