Toll Free: 1-888-865-6888

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Email: sales@RackmountMart.com

LCD1U15-10-n-co
LCD1U17-07-n-co
LCD1U19-05-n-co series

With PS2 & USB Combo Interface

Dual Rail LCD Console

User's Manual

Packing List

The complete LCD1U15-10-n-co / LCD1U17-07-n-co / LCD1U19-05-n-co package consist of:

- One 1U 19" rack mount console
- Short Single Bracket x 2
- Long Assembled Bracket x 2
- Support Bracket x 2
- Metal Plate x 2 (For short single bracket)
- Copper Ring x 4 (For short single bracket)
- Flat Screw x 4 (For short single bracket)
- Cap Screw x 28
- Key x 2
- One 1.8M signal cable
- One power cord
- One user manual CD
- One quick installation guide

The complete LCD1U15-10-8kvm-n-co / LCD1U15-10-16kvm-n-co / LCD1U17-07-8kvm-n-co / LCD1U17-07-16kvm-n-co / LCD1U19-05-8kvm-n-co / LCD1U19-05-16kvm-n-co packages consist of:

- One 1U 19" rack mount console
- Long Single Bracket x 2
- Long Assembled Bracket x 2
- Metal Plate x 2 (For short single bracket)
- Copper Ring x 6 (For short single bracket)
- Flat Screw x 6 (For short single bracket)
- Cap Screw x 28
- Key x 2
- One 1.8M signal cable
- One power cord
- One user manual CD
- One quick installation guide

Check to make sure that the unit was not damaged in shipping. If you encounter a problem, contact your dealer.

Please read this manual thoroughly, and follow the installation and operation procedures carefully to prevent any damage to the product, and/or any of the devices that connect to it.

Safety Instructions

1. Please read these safety instructions carefully.
2. Please keep this User's Manual for later reference.
3. Please disconnect this equipment from AC outlet before cleaning. Don't use liquid or sprayed detergent for cleaning. Use moisture sheet or clothe for cleaning.
4. For pluggable equipment, the socked-outlet shall be installed near the equipment and shall be easily accessible.
5. Please keep this equipment from humidity.
6. Lay this equipment on a reliable surface when install. A drop or fall could cause injury.
7. Do not leave this equipment in an environment unconditioned, storage temperature above 60^0 C, it may damage the equipment.
8. The opening on the enclosure is for air convection hence the equipment from overheating. DO NOT COVER THE OPENING.
9. Make sure the voltage of the power source connect the equipment to the power outlet.
10. Please keep the power cord such a way that people can not step on it. Do not place anything over power cord. The power cord must rate for the voltage and current marked on the product's electrical ratings label. The voltage and current rating of the cord should be greater than the voltage and the current rating marked on the product.
11. All cautions and warning on the equipment should be noted.
12. If the equipment is not in use for long time, disconnect the equipment from mains to avoid being damaged by transient over-voltage.
13. Never pour any liquid into ventilation openings; this could cause fire or electrical shock.
14. Never open the equipment. For safety reason, qualified service personnel should only open the equipment.
15. If one of the following situations arises, get the equipment checked by service personnel.
    - The Power Cord or plug is damaged.
    - Liquid has penetrated into the equipment.
    - The equipment has been exposed to moisture.
    - The equipment has not worked well or you can not get it work according to User's Manual.

- The equipment has dropped and damaged.
- If the equipment has obvious signs or breakage.

Index of Contents

1. General Information

1.1 Overview

The KVM console is an ideal solution for network administration with multiple servers / platforms. Their 15-inch and 17-inch 19-inch large size TFT LCD color display and ultra-low-profile compact industrial keyboard / touchpad provide the user-friendliest and most reliable environment for network administrators. All these functions are integrated in a 19-inch 1U space with rugged construction design to achieve ultra space saving and high reliability for high quality industrial network applications.

The KVM console provide superior picture quality and state-of-the-art features mounted in an industrial grade, rack mount console. The console forms a rugged enclosure that protects the monitor from industrial hazards and permits easy access to monitor controls.

The KVM console monitors provide flicker-free color images at optimal resolutions. The monitors' 0.264mm pixel pitch ensures crisp images with clear definition, even at high resolutions. The KVM console monitors are intelligent, microprocessor-based, and have an ergonomically designed display.

The KVM console monitors employ the latest in active matrix thin film transistor (TFT) technology, providing crisp screen images and wide viewing angles. Unlike CRT monitors, LCD monitors are inherently immune to the magnetic fields commonly found on the plant floor or communications centers. LCDs are also typically brighter than conventional CRT technology, making them ideal for the high ambient lighting conditions found in many of today's factory environments. On-screen menus allow for display adjustments. In addition, the monitors' Plug-n-Play+ features support Windows 95/98,NT and XP, while a universal power supply ensures global applicability.

The KVM console monitors are compatible with most analog RGB (red, green, blue) display standards, including PS/2, optional for Sun Micro System, Apple Macintosh Centris, Quadra, and Macintosh II family signals. The LCD monitor is capable of displaying crisp and vibrant color graphics with VGA, S2GA, XGA (non-interlaced), and most Macintosh compatible color video cards.

1.2 Product Specification

1.2.1 LCD1U15-10-n-co / LCD1U15-10-8kvm-n-co / LCD1U15-10-16kvm-n-co

Model name	LCD1U15-10-n-co
Number of ports	1
Dimension	449.8 x 443.4 x 44 mm / 17.7 x 17.5 x 1.7 inches
Package Dimension	605 x 560 x 202 mm / 23.8 x 22.0 x 8.0 inches
Net Weight	10.5 Kg / 23.1 lbs
Gross Weight	15.5 Kg / 34.2 lbs
Display Size	15 inches
Panel Type	Active Matrix TFT LCD
Resolution Capabilities	Maximum Resolution up to 1024 x 768 (XGA)
Pixel Pitch	Supports 0.297 mm x 0.297 mm
Viewing Angle (CR>10)	Right-Left view 130°(Typ) Up-Down View 100°(Typ)
Contrast Ratio	400:1
Brightness	White 250 cd/m² (Center 1 point Typ)
Back Light	Dual Lamps for Back Light
Supported Colors	16M Colors (6-bit with FRC)
Response Time	Rising Time 5 ms , Decay Time 11 ms
Operating System	Dos, Windows (3.1, 9x, 2000, NT4, ME, XP, 2003 Server) Linux, Novell 3.12-6, HP UX, SUN
Multi Platform	Support PS/2, SUN and USB
System Cables	VGA + PS/2 x 2 cable or USB X1 cable
Keyboard Mouse	106 key PS/2 keyboard with touch pad
Sync	45 ~ 80 KHz
Power Source	100 ~ 240 VAC input
Power Consumption	16W, 10.41W for Panel
Temperature	Operate 0 ~ 50°C / 32 ~ 122°F Storage -20 ~ 60°C / -4 ~ 140°F
Humidity	10% ~ 90% RH
Chassis Construction	Heavy duty steel materials
Keyboard Language	USA, UK, German, French, Spanish, Italian, Portuguese, Dutch, Swiss, Belgium, Swedish, Norwegian, Danish, Japan, Taiwan, Russian, Hebrew
Certification	CE / FCC, UL / CUL / C-Tick, RoHs Compliance

Table 1-1.LCD1U15-10-n-co Specification

Model name	LCD1U15-10-8kvm-n-co
Number of ports	8
Dimension	569.8 x 443.4 x 44 mm / 22.4 x 17.5 x 1.7 inches
Package Dimension	728 x 553 x 205 mm / 28.7 x 21.8 x 8.1 inches
Net Weight	11.5 Kg / 25.4 lbs
Gross Weight	17.5 Kg / 38.6 lbs
Display Size	15 inches
Panel Type	Active Matrix TFT LCD
Resolution Capabilities	Maximum Resolution up to 1024 x 768 (XGA)
Pixel Pitch	Supports 0.297 mm x 0.297 mm
Viewing Angle (CR>10)	Right-Left view 130°(Typ) Up-Down View 100°(Typ)
Contrast Ratio	400:1
Brightness	White 250 cd/m² (Center 1 point Typ)
Back Light	Dual Lamps for Back Light
Supported Colors	16M Colors (6-bit with FRC)
Response Time	Rising Time 5 ms , Decay Time 11 ms
Operating System	Dos, Windows (3.1, 9x, 2000, NT4, ME, XP, 2003 Server) Linux, Novell 3.12-6, HP UX, SUN
Multi Platform	Support PS/2, SUN and USB
System Cables	VGA + PS/2 x2 cable or VGA + USB x1 cable
Keyboard Mouse	106 key PS/2 keyboard with touch pad
Sync	45 ~ 80 KHz
Power Source	100 ~ 240 VAC input
Power Consumption	16W, 10.41W for Panel
Temperature	Operate 0 ~ 50°C / 32 ~ 122°F Storage -20 ~ 60°C / -4 ~ 140°F
Humidity	10% ~ 90% RH
Chassis Construction	Heavy duty steel materials
Keyboard Language	USA, UK, German, French, Spanish, Italian, Portuguese, Dutch, Swiss, Belgium, Swedish, Norwegian, Danish, Japan, Taiwan, Russian, Hebrew
Certification	CE / FCC, UL / CUL / C-Tick, RoHs Compliance

Table 1-2. LCD1U15-10-8kvm-n-co Specification

Model name	LCD1U15-10-16kvm-n-co
Number of ports	16
Dimension	569.8 x 443.4 x 44 mm / 22.4 x 17.5 x 1.7 inches
Package Dimension	728 x 553 x 205 mm / 28.7 x 21.8 x 8.1 inches
Net Weight	12.0 Kg / 26.5 lbs
Gross Weight	18.0 Kg / 39.7 lbs
Display Size	15 inches
Panel Type	Active Matrix TFT LCD
Resolution Capabilities	Maximum Resolution up to 1024 x 768 (XGA)
Pixel Pitch	Supports 0.297 mm x 0.297 mm
Viewing Angle (CR>10)	Right-Left view 130°(Typ) Up-Down View 100°(Typ)
Contrast Ratio	400:1
Brightness	White 250 cd/m² (Center 1 point Typ)
Back Light	Dual Lamps for Back Light
Supported Colors	16M Colors (6-bit with FRC)
Response Time	Rising Time 5 ms , Decay Time 11 ms
Operating System	Dos, Windows (3.1, 9x, 2000, NT4, ME, XP, 2003 Server) Linux, Novell 3.12-6, HP UX, SUN
Multi Platform	Support PS/2, SUN and USB
System Cables	VGA + PS/2 x 2 cable or VGA+ USB x1 cable
Keyboard Mouse	106 key PS/2 keyboard with touch pad
Sync	45 ~ 80 KHz
Power Source	100 ~ 240 VAC input
Power Consumption	16W, 10.41W for Panel
Temperature	Operate 0 ~ 50°C / 32 ~122°F Storage -20 ~ 60°C / -4 ~140°F
Humidity	10% ~ 90% RH
Chassis Construction	Heavy duty steel materials
Keyboard Language	USA, UK, German, French, Spanish, Italian, Portuguese, Dutch, Swiss, Belgium, Swedish, Norwegian, Danish, Japan, Taiwan, Russian, Hebrew
Certification	CE / FCC, UL / CUL / C-Tick, RoHs Compliance

Table 1-3. LCD1U15-10-16kvm-n-co Specification

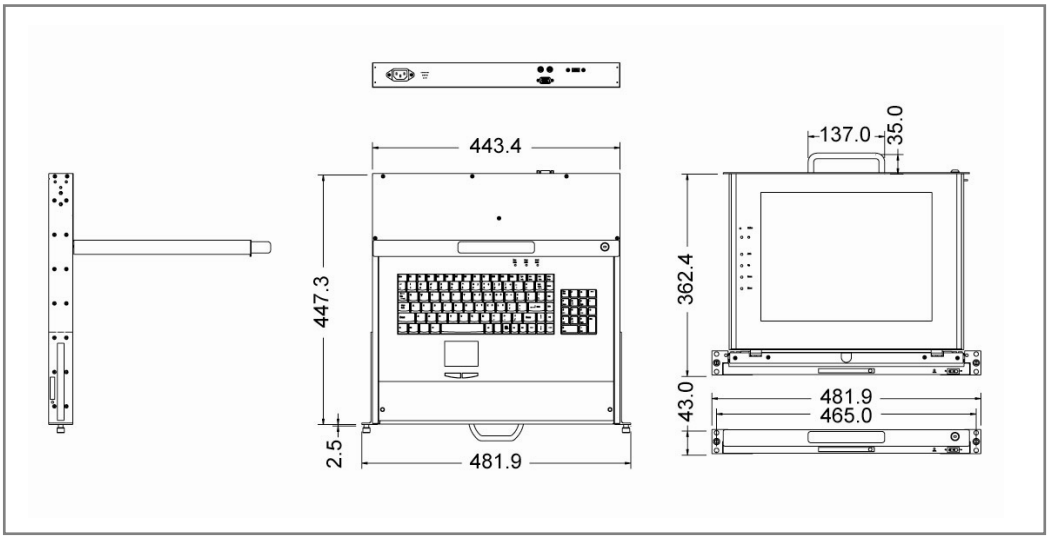


Figure 1-1. LCD1U15-10-n-co Dimension

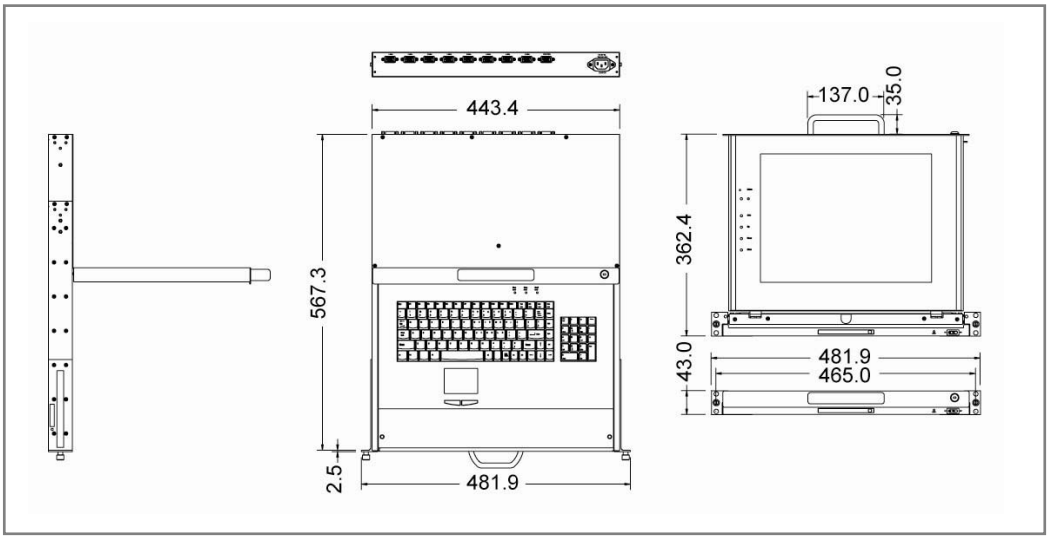


Figure 1-2. LCD1U15-10-8kvm-n-co Dimension

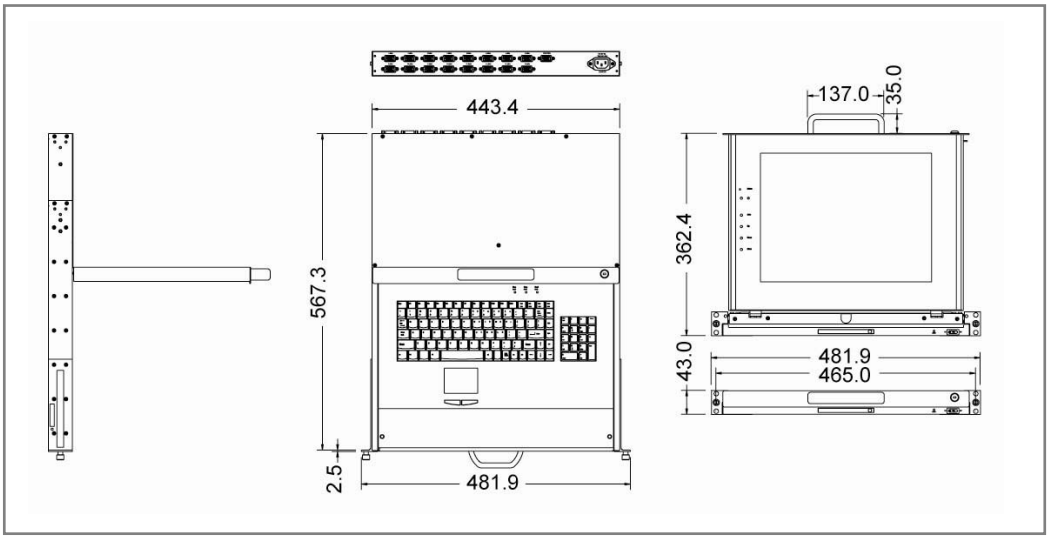


Figure 1-3. LCD1U15-10-16kvm-n-co Dimension

1.2.2 LCD1U17-07-n-co / LCD1U17-07-8kvm-n-co / LCD1U17-07-16kvm-n-co

Model name	LCD1U17-07-n-co
Number of ports	1
Dimension	449.8 x 443.4 x 44 mm / 17.7 x 17.5 x 1.7 inches
Package Dimension	605 x 560 x 202 mm / 23.8 x 22.0 x 8.0 inches
Net Weight	12.0 Kg / 26.5 lbs
Gross Weight	17.0 Kg / 37.5 lbs
Display Size	17 inches
Panel Type	Active Matrix TFT LCD
Resolution Capabilities	Maximum Resolution up to 1280 x 1024 (SXGA)
Pixel Pitch	Supports 0.264 mm x 0.264 mm
Viewing Angle (CR>10)	Right-Left view 60° ~ 70°(Typ) Up-Down View 45° ~ 60°(Typ)
Contrast Ratio	450:1
Brightness	White 250 cd/m² (Center 1 point Typ)
Back Light	Four Lamps for Back Light
Supported Colors	16.2M Colors (6-bit with FRC)
Response Time	Rising Time 2 ms , Decay Time 14 ms
Operating System	Dos, Windows (3.1, 9x, 2000, NT4, ME, XP, 2003 Server) Linux, Novell 3.12-6, HP UX, SUN
Multi Platform	Support PS/2, SUN and USB
System Cables	VGA + PS/2 x 2 cable or USB x1 cable
Keyboard Mouse	106 key PS/2 keyboard with touch pad
Sync	45 ~ 80 KHz
Power Source	100 ~ 240 VAC input
Power Consumption	25W, 19.05W for Panel
Temperature	Operate 0 ~ 50°C / 32 ~ 122°F Storage -20 ~ 60°C / -4 ~ 140°F
Humidity	10% ~ 90% RH
Chassis Construction	Heavy duty steel materials
Keyboard Language	USA, UK, German, French, Spanish, Italian, Portuguese, Dutch, Swiss, Belgium, Swedish, Norwegian, Danish, Japan, Taiwan, Russian, Hebrew
Certification	CE / FCC, UL / CUL / C-Tick, RoHs Compliance

Table 1-4. LCD1U17-07-n-co Specification

Model name	LCD1U17-07-8kvm-n-co
Number of ports	8
Dimension	569.8 x 443.4 x 44 mm / 22.4 x 17.5 x 1.7 inches
Package Dimension	728 x 553 x 205 mm / 28.7 x 21.8 x 8.1 inches
Net Weight	13.0 Kg / 28.7 lbs
Gross Weight	19.5 Kg / 43.0 lbs
Display Size	17 inches
Panel Type	Active Matrix TFT LCD
Resolution Capabilities	Maximum Resolution up to 1280 x 1024 (SXGA)
Pixel Pitch	Supports 0.264 mm x 0.264 mm
Viewing Angle (CR>10)	Right-Left view 60° ~ 70°(Typ) Up-Down View 45° ~ 60°(Typ)
Contrast Ratio	450:1
Brightness	White 250 cd/m² (Center 1 point Typ)
Back Light	Four Lamps for Back Light
Supported Colors	16.2M Colors (6-bit with FRC)
Response Time	Rising Time 2 ms , Decay Time 14 ms
Operating System	Dos, Windows (3.1, 9x, 2000, NT4, ME, XP, 2003 Server) Linux, Novell 3.12-6, HP UX, SUN
Multi Platform	Support PS/2, SUN and USB
System Cables	VGA + PS/2 x2 cable or VGA + USB x1 cable
Keyboard Mouse	106 key PS/2 keyboard with touch pad
Sync	45 ~ 80 KHz
Power Source	100 ~ 240 VAC input
Power Consumption	25W, 19.05W for Panel
Temperature	Operate 0 ~ 50°C / 32 ~ 122°F Storage -20 ~ 60°C / -4 ~ 140°F
Humidity	10% ~ 90% RH
Chassis Construction	Heavy duty steel materials
Keyboard Language	USA, UK, German, French, Spanish, Italian, Portuguese, Dutch, Swiss, Belgium, Swedish, Norwegian, Danish, Japan, Taiwan, Russian, Hebrew
Certification	CE / FCC, UL / CUL / C-Tick, RoHs Compliance

Table 1-5. LCD1U17-07-8kvm-n-co Specification

Model name	LCD1U17-07-16kvm-n-co
Number of ports	16
Dimension	569.8 x 443.4 x 44 mm / 22.4 x 17.5 x 1.7 inches
Package Dimension	728 x 553 x 205 mm / 28.7 x 21.8 x 8.1 inches
Net Weight	13.5 Kg / 29.8 lbs
Gross Weight	20.0 Kg / 44.1 lbs
Display Size	17 inches
Panel Type	Active Matrix TFT LCD
Resolution Capabilities	Maximum Resolution up to 1280 x 1024 (SXGA)
Pixel Pitch	Supports 0.264 mm x 0.264 mm
Viewing Angle (CR>10)	Right-Left view 60° ~ 70°(Typ) Up-Down View 45° ~ 60°(Typ)
Contrast Ratio	450:1
Brightness	White 250 cd/m² (Center 1 point Typ)
Back Light	Four Lamps for Back Light
Supported Colors	16.2M Colors (6-bit with FRC)
Response Time	Rising Time 2 ms , Decay Time 14 ms
Operating System	Dos, Windows (3.1, 9x, 2000, NT4, ME, XP, 2003 Server) Linux, Novell 3.12-6, HP UX, SUN
Multi Platform	Support PS/2, SUN and USB
System Cables	VGA + PS/2 x 2 cable or VGA + USB x1 cable
Keyboard Mouse	106 key PS/2 keyboard with touch pad
Sync	45 ~ 80 KHz
Power Source	100 ~ 240 VAC input
Power Consumption	25W, 19.05W for Panel
Temperature	Operate 0 ~ 50°C / 32 ~ 122°F Storage -20 ~ 60°C / -4 ~ 140°F
Humidity	10% ~ 90% RH
Chassis Construction	Heavy duty steel materials
Keyboard Language	USA, UK, German, French, Spanish, Italian, Portuguese, Dutch, Swiss, Belgium, Swedish, Norwegian, Danish, Japan, Taiwan, Russian, Hebrew
Certification	CE / FCC, UL / CUL / C-Tick, RoHs Compliance

Table 1-6. LCD1U17-07-16kvm-n-co Specification

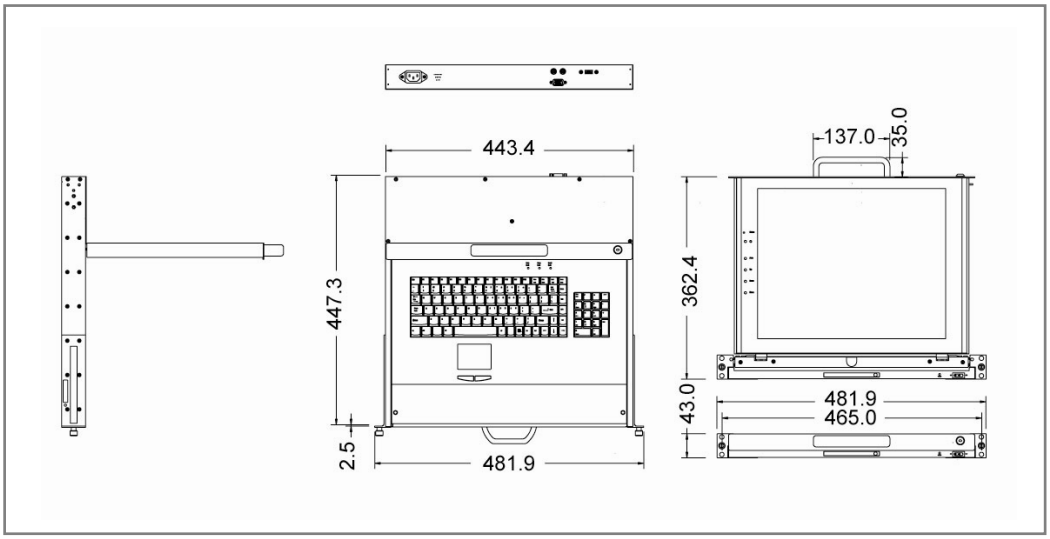


Figure 1-4. LCD1U17-07-n-co Dimension

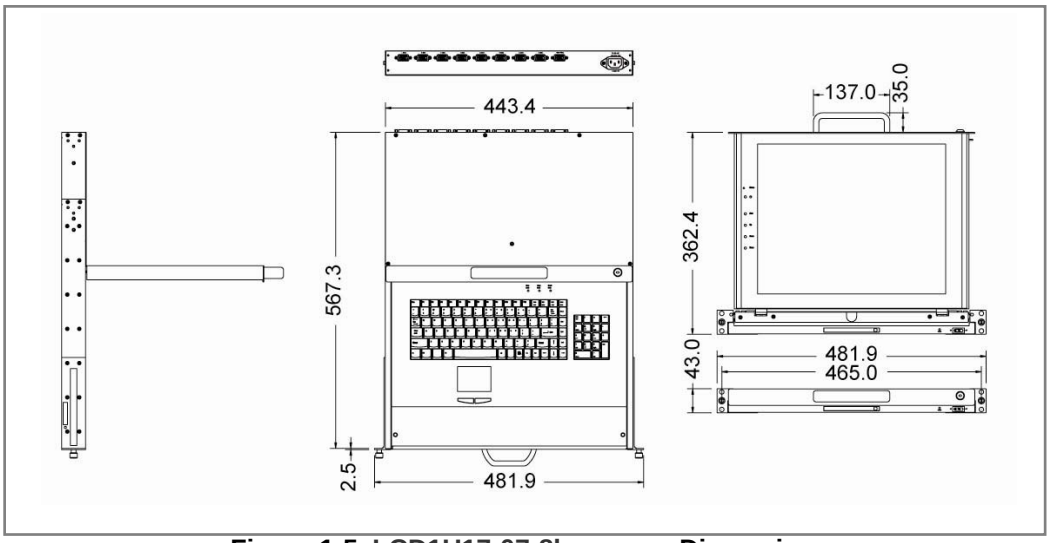


Figure 1-5. LCD1U17-07-8kvm-n-co Dimension

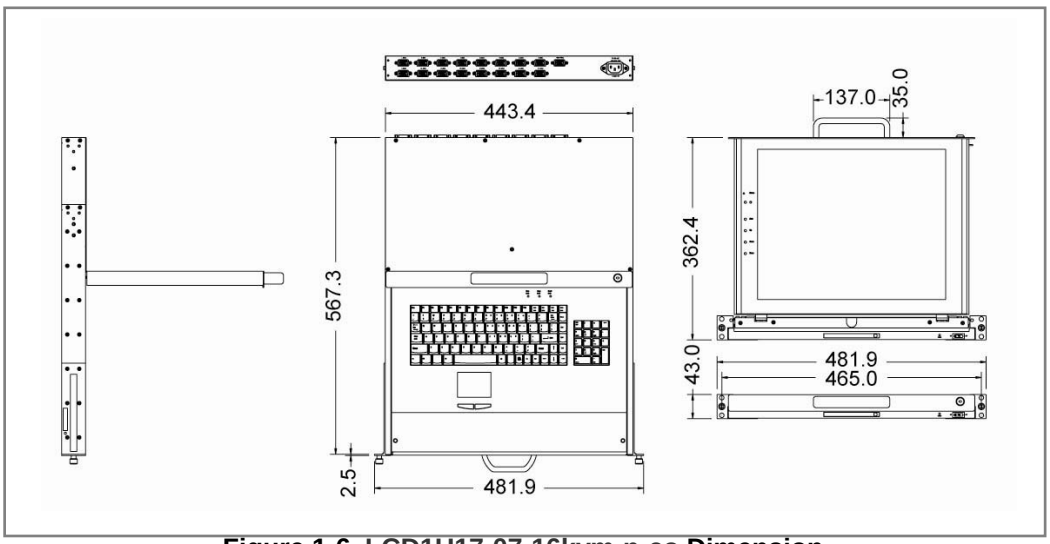


Figure 1-6. LCD1U17-07-16kvm-n-co Dimension

1.2.3 LCD1U19-05-n-co / LCD1U19-05-8kvm-n-co / LCD1U19-05-16kvm-n-co

Model name	LCD1U19-05-n-co
Number of ports	1
Dimension	511.3 x 443.5 x 44 mm / 20.1 x 17.5 x 1.7 inches
Package Dimension	664 x 564 x 185 mm / 26.1 x 22.2 x 7.3 inches
Net Weight	12.5 Kg / 27.6 lbs
Gross Weight	19.0 Kg / 41.9 lbs
Display Size	19 inches
Panel Type	Active Matrix TFT LCD
Resolution Capabilities	Maximum Resolution up to 1280 x 1024 (SXGA)
Pixel Pitch	Supports 0.098 mm x 0.294 mm
Viewing Angle (CR>10)	Right-Left view 140°(Typ) Up-Down View 140°(Typ)
Contrast Ratio	500:1
Brightness	White 250 cd/m² (Center 1 point Typ)
Back Light	Four Lamps for Back Light
Supported Colors	16.2M Colors (6-bit with FRC)
Response Time	Rising Time 2 ms , Decay Time 10 ms
Operating System	Dos, Windows (3.1, 9x, 2000, NT4, ME, XP, 2003 Server) Linux, Novell 3.12-6, HP UX, SUN
Multi Platform	Support PS/2, SUN and USB
System Cables	VGA + PS/2 x 2 cable or USB x1 cable
Keyboard Mouse	106 key PS/2 keyboard with touch pad
Sync	45 ~ 80 KHz
Power Source	100 ~ 240 VAC input
Power Consumption	25W, 21.05W for Panel
Temperature	Operate 0 ~ 50°C / 32 ~ 122°F Storage -20 ~ 60°C / -4 ~ 140°F
Humidity	10% ~ 90% RH
Chassis Construction	Heavy duty steel materials
Keyboard Language	USA, UK, German, French, Spanish, Italian, Portuguese, Dutch, Swiss, Belgium, Swedish, Norwegian, Danish, Japan, Taiwan, Russian, Hebrew
Certification	CE / FCC, UL / CUL / C-Tick, ROHs Compliance

Table 1-7. LCD1U19-05-n-co Specification

Model name	LCD1U19-05-8kvm-n-co
Number of ports	8
Dimension	631.3 x 443.5 x 44 mm / 24.9 x 17.5 x 1.7 inches
Package Dimension	788 x 564 x 185 mm / 31.0 x 22.2 x 7.3 inches
Net Weight	14.0 Kg / 30.9 lbs
Gross Weight	21.5 Kg / 47.4 lbs
Display Size	19 inches
Panel Type	Active Matrix TFT LCD
Resolution Capabilities	Maximum Resolution up to 1280 x 1024 (SXGA)
Pixel Pitch	Supports 0.098 mm x 0.294 mm
Viewing Angle (CR>10)	Right-Left view 140°(Typ) Up-Down View 140°(Typ)
Contrast Ratio	500:1
Brightness	White 250 cd/m² (Center 1 point Typ)
Back Light	Four Lamps for Back Light
Supported Colors	16.2M Colors (6-bit with FRC)
Response Time	Rising Time 2 ms , Decay Time 10 ms
Operating System	Dos, Windows (3.1, 9x, 2000, NT4, ME, XP, 2003 Server) Linux, Novell 3.12-6, HP UX, SUN
Multi Platform	Support PS/2, SUN and USB
System Cables	VGA + PS/2 x 2 cable or VGA + USB x1 cable
Keyboard Mouse	106 key PS/2 keyboard with touch pad
Sync	45 ~ 80 KHz
Power Source	100 ~ 240 VAC input
Power Consumption	25W, 21.05W for Panel
Temperature	Operate 0 ~ 50°C / 32 ~ 122°F Storage -20 ~ 60°C / -4 ~ 140°F
Humidity	10% ~ 90% RH
Chassis Construction	Heavy duty steel materials
Keyboard Language	USA, UK, German, French, Spanish, Italian, Portuguese, Dutch, Swiss, Belgium, Swedish, Norwegian, Danish, Japan, Taiwan, Russian, Hebrew
Certification	CE / FCC, UL / CUL / C-Tick, RoHs Compliance

Table 1-8. LCD1U19-05-8kvm-n-co Specification

Model name	LCD1U19-05-16kvm-n-co
Number of ports	16
Dimension	631.3 x 443.5 x 44 mm / 24.9 x 17.5 x 1.7 inches
Package Dimension	788 x 564 x 185 mm / 31.0 x 22.2 x 7.3 inches
Net Weight	14.5 Kg / 32.0 lbs
Gross Weight	22.0 Kg / 48.5 lbs
Display Size	19 inches
Panel Type	Active Matrix TFT LCD
Resolution Capabilities	Maximum Resolution up to 1280 x 1024 (SXGA)
Pixel Pitch	Supports 0.098 mm x 0.294 mm
Viewing Angle (CR>10)	Right-Left view 140°(Typ) Up-Down View 140°(Typ)
Contrast Ratio	500:1
Brightness	White 250 cd/m² (Center 1 point Typ)
Back Light	Four Lamps for Back Light
Supported Colors	16.2M Colors (6-bit with FRC)
Response Time	Rising Time 2 ms , Decay Time 10 ms
Operating System	Dos, Windows (3.1, 9x, 2000, NT4, ME, XP, 2003 Server) Linux, Novell 3.12-6, HP UX, SUN
Multi Platform	Support PS/2, SUN and USB
System Cables	VGA + PS/2 x 2 cable or VGA + USB x1 cable
Keyboard Mouse	106 key PS/2 keyboard with touch pad
Sync	45 ~ 80 KHz
Power Source	100 ~ 240 VAC input
Power Consumption	25W, 21.05W for Panel
Temperature	Operate 0 ~ 50°C / 32 ~ 122°F Storage -20 ~ 60°C / -4 ~ 140°F
Humidity	10% ~ 90% RH
Chassis Construction	Heavy duty steel materials
Keyboard Language	USA, UK, German, French, Spanish, Italian, Portuguese, Dutch, Swiss, Belgium, Swedish, Norwegian, Danish, Japan, Taiwan, Russian, Hebrew
Certification	CE / FCC, UL / CUL / C-Tick, RoHs Compliance

Table 1-9. LCD1U19-05-16kvm-n-co Specification

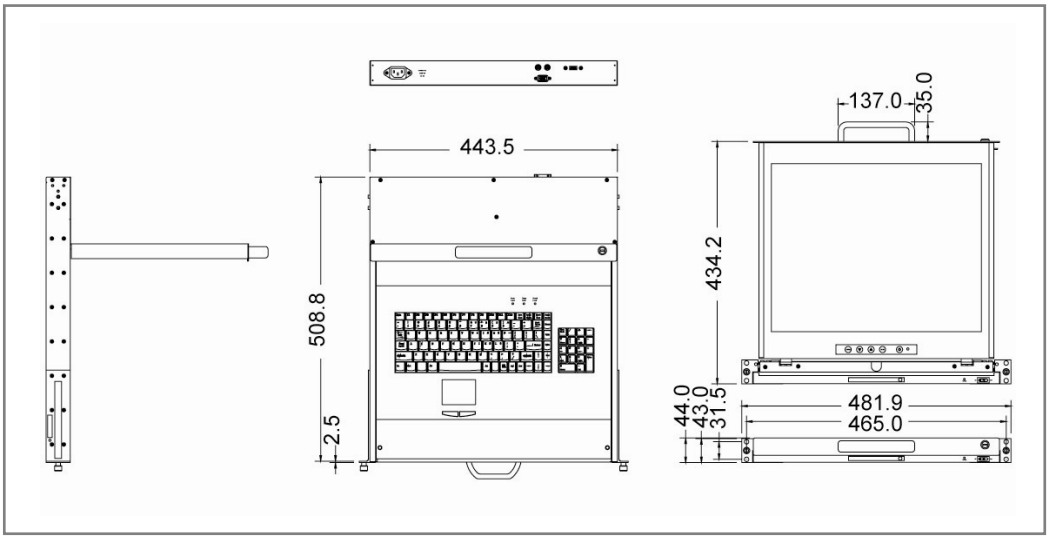


Figure 1-7. LCD1U19-05-n-co Dimension

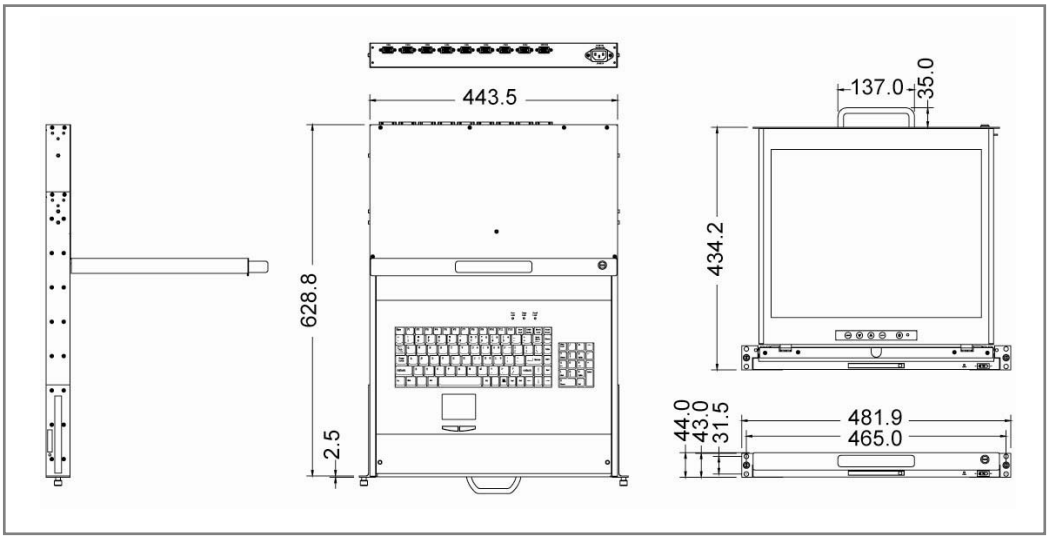


Figure 1-8. LCD1U19-05-8kvm-n-co Dimension

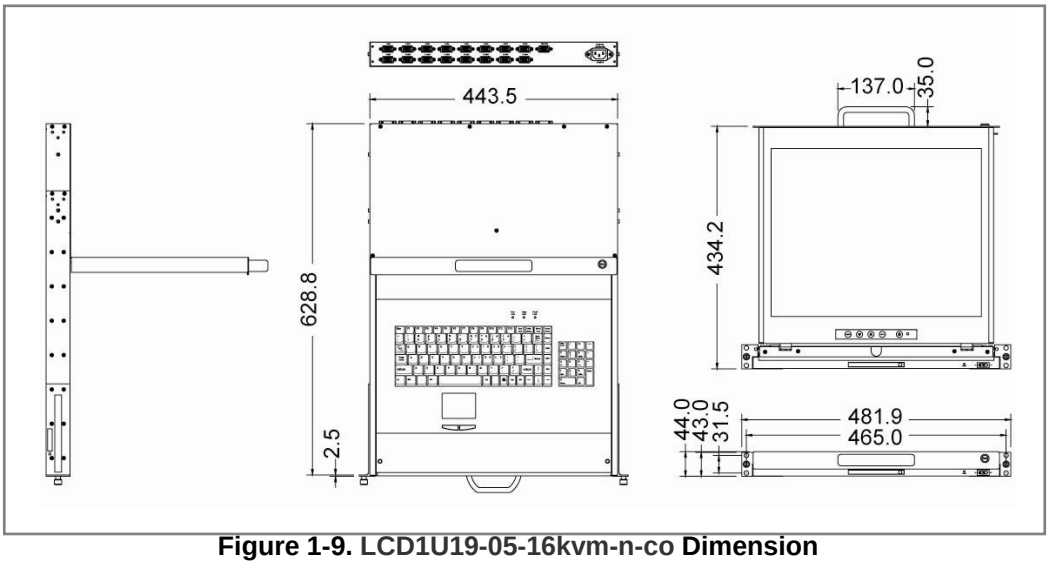


Figure 1-9. LCD1U19-05-16kvm-n-co Dimension

2. Panel Controls and OSD Function

Controls	Description
⏻	Soft power on/off button. Adjacent LED is lit when on.
Auto	Auto-synchronize and scale down display to any valid factory preset timings.
Up▲	Press to scroll the function you want to adjust.
Down▼	Press to scroll the function you want to adjust.
Menu	To access the main menu. This button also acts as the "Enter" button.

Table 2-1. Panel Controls

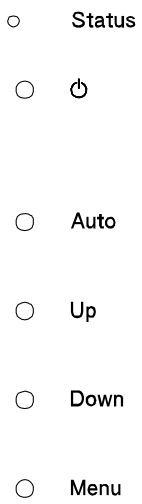


Figure 2-1. LCD1U15-10-n-co / LCD1U15-10-8kvm-n-co / LCD1U15-10-16kvm-n-co / LCD1U17-07-n-co / LCD1U17-07-8kvm-n-co / LCD1U17-07-16kvm-n-co OSD Control Bar

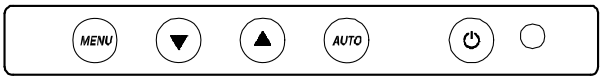


Figure 2-2. LCD1U19-05-n-co / LCD1U19-05-8kvm-n-co / LCD1U19-05-16kvm-n-co OSD Control Bar

2.1 Auto Tune

Press the "auto tune" button. The panel will adjust the display size automatically and also tune the panel to its best condition.

2.2 Input Source

1. Press the "menu" button.
2. Use the "Down" and "Up" button to scroll.

   Auto tune.
   Input Source
   Brightness
   Contrast
   Color
   Position
   Language
   Recall
   Exit

3. Press the"menu"button to enter,and you will see:

   VGA / DVI
4. Use the "Down" and "Up" button to select the input source of signal.
5. Press the "menu" button to enter

2.3 Brightness

1. Press the "menu" button.
2. Use the "Down" and "Up" button to scroll.

   Auto tune.
   Input Source
   Brightness
   Contrast
   Color
   Position
   Language
   Recall
   Exit
3. Press the"menu"button to enter.
4. Use the"Down"and"Up"button to adjust the brightness of the display.
5. Press the "menu" button to enter.

2.4 Contrast

1. Press the "menu" button.
2. Use the "Down" and "Up" button to scroll.

    Auto tune.
    Input Source
    Brightness
    Contrast
    Color
    Position
    Language
    Recall
    Exit

1. Press the "menu" button to enter.
2. Use the "Down" and "Up" button to adjust the contrast of the display.
3. Press the "menu" button to enter.

2.5 Color

1. Press the "menu" button.
2. Use the "Down" and "Up" button to scroll.

    Auto tune.
    Input Source
    Brightness
    Contrast
    Color
    Position
    Language
    Recall
    Exit

3. Press the "menu" button to enter. And you will see:

Icon	Description
9300°K	To set CIE coordinates at 9300°K color
7500°K	To set CIE coordinates at 7500°K color
6500°K	To set CIE coordinates at 6500°K color
User	To set user defined CIE
Auto color	To auto adjust color
Return	To exit and return to the previous page

Table 2-2. Icon Description

4. Use the "Down" and "Up" button to adjust the color of the display.
5. Press "menu" to enter.

2.6 Position

1. Press the "menu" button.
2. Use the "Down" and "Up" button to scroll.
   - Auto tune.
   - Input Source
   - Brightness
   - Contrast
   - Color
   - **Position**
   - Language
   - Recall
   - Exit
3. Press the "menu" button to enter. And you will see:

Icon	Description
Image Pos	To adjust the position of the image.
OSD Pos	To adjust the position of the OSD.
Return	To exit and return to the previous page

Table 2-3. Icon Description

4. Use the "Down" and "Up" button to scroll.
5. Press the "menu" button to enter.

2.7 Language

1. Press the "menu" button.
2. Use the "Down" and "Up" button to scroll.
   Auto tune.
   Input Source
   Brightness
   Contrast
   Color
   Position
   Language
   Recall
   Exit
3. Press the "menu" button to enter. And you will see:
   English
   German
   French
   Italian
   Spanish
4. Use the "Down" and "Up" button to scroll.
5. Press the "menu" button to enter.

2.8 Recall

1. Press the "menu" button.
2. Use the "Down" and "Up" button to scroll.
   Auto tune.
   Input Source
   Brightness
   Contrast
   Color
   Position
   Language
   Recall

Exit

3. Press the "menu" button to enter, and you will see:

   Yes/ No

4. Select "Yes" button then 'Menu" button to recall the factory setting.
   Select "No " to return to the previous page.

2.9 Exit

Press the "exit" button to quit OSD menu.

2.10 Power Indicator

- GREEN ON
- RED STANDBY
- RED SUSPEND
- RED OFF

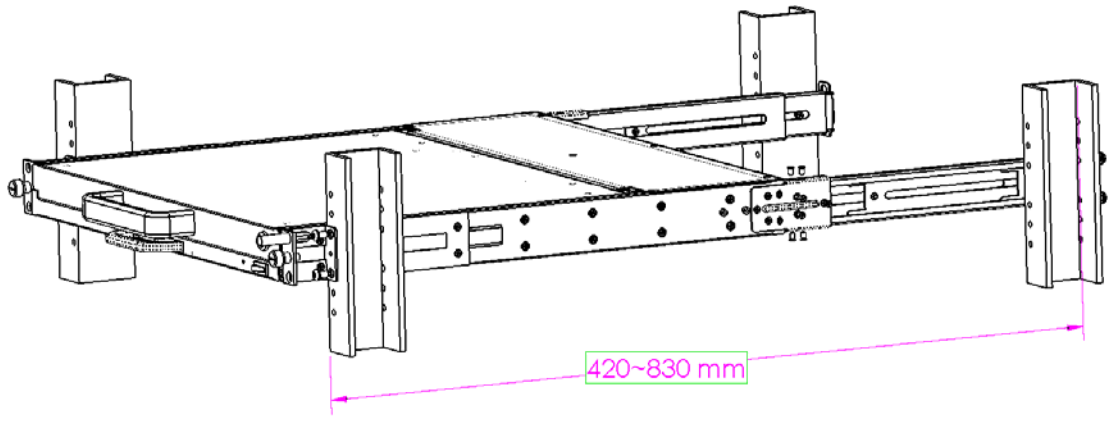
OSD – On Screen Display

3. Installation

3.1 Install Console into Cabinet

3.1.1 Notes

1. Please check all peripherals according the list before installation.To make sure that the whole unit was not damaged and lost during shipping process.If you encounter any problem,please contact your dealer.
2. Before installation,make sure all peripherals and computers have been turned off.
3. This product required front and rear mounting brackets. Pre-configure the deep of the rack to find the best rear bracket kits for your usage.
4. The standard rear bracket kits are for 420~830 mm as below figure,contact your dealer if you need more longer rear bracket.
5. Reliable earthing of rack-mounted equipment should be maintained. Particular attention should be given to supply connections other than direct connections to the branch circuit.

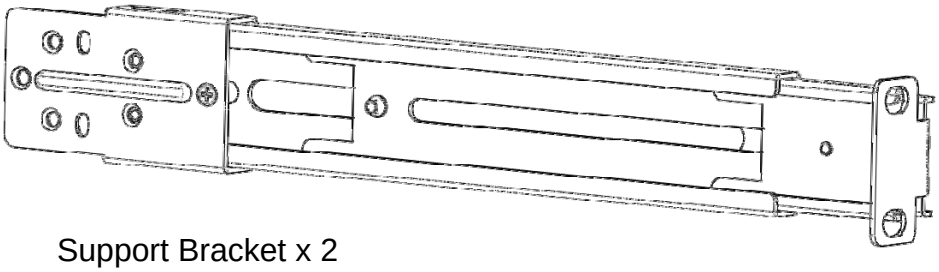


3.1.2 Hardware Kits Contents

Packing content (LCD1U15-10-n-co / LCD1U17-07-n-co / LCD1U19-05-n-co):

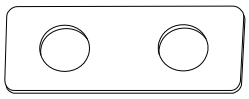
1. Short Single Bracket x 2

2. Long Assembled Bracket x 2



3 Support Bracket x 2

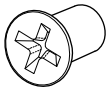
4 Metal Plate x 2 (For short single bracket)



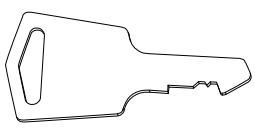
5 Copper Ring x 4 (For short single bracket)

6 Flat Screw x 4 (For short single bracket)

7 Cap Screw x 28

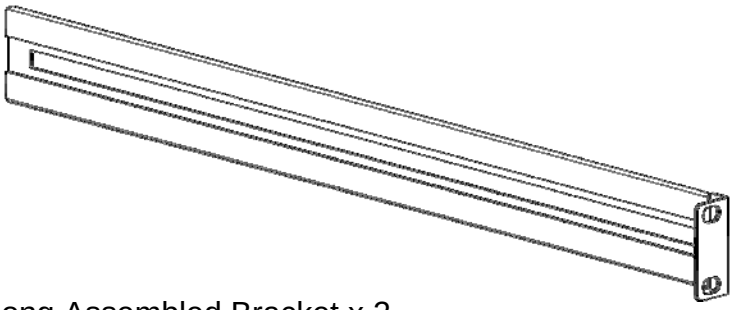


8 Key x 2

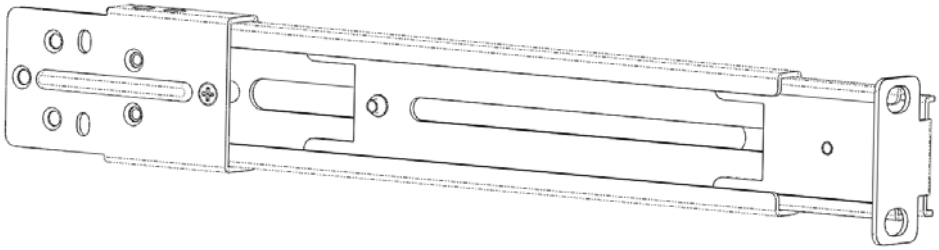


Packing content (LCD1U15-10-8kvm-n-co / LCD1U15-10-16kvm-n-co / LCD1U17-07-8kvm-n-co / LCD1U17-07-16kvm-n-co / LCD1U19-05-8kvm-n-co / LCD1U19-05-16kvm-n-co /):

1. Short Single Bracket x 2



2. Long Assembled Bracket x 2

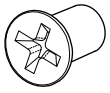


3. Metal Plate x 2 (For short single bracket)

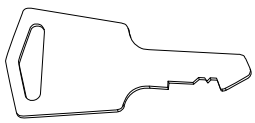
4. Copper Ring x 6 (For short single bracket)

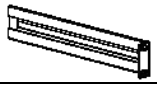
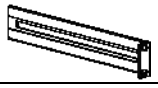
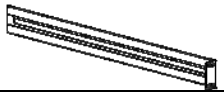
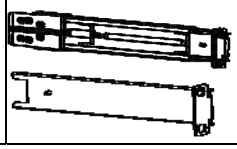
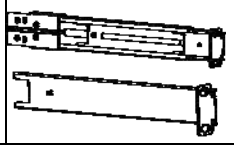
5. Flat Screw x 6 (For short single bracket)

6. Cap Screw x 28



7. Key x 2



	LCD1U15-10-n-co LCD1U17-07-n-co	LCD1U19-05-n-co	LCD1U15-10-8kvm-n-co LCD1U15-10-16kvm-n-co LCD1U17-07-8kvm-n-co LCD1U17-07-16kvm-n-co	LCD1U19-05-8kvm-n-co LCD1U19-05-8kvm-n-co
Short single bracket	417-472.4 mm 	478-533.9 mm 	none	none
Long single bracket	none	none	589.9-671.6 mm 	651.4-733.1 mm 
Long assembled bracket	531.3-685.8 mm 	592.8-747.3 mm 	661.3-815.8 mm 	722.8-877.3 mm 
Long assembled bracket w/support bracket	681.3-835.8 mm 	742.8-897.3 mm 	800-951 mm	865-1016 mm

Cabinet support depth

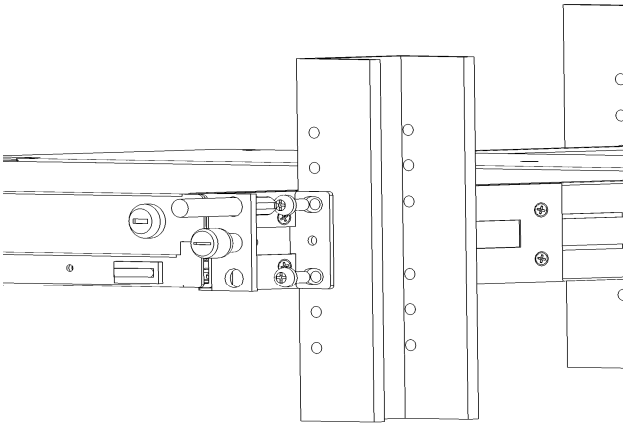
3.1.3 Installation Step

Second person required for rear support during installation

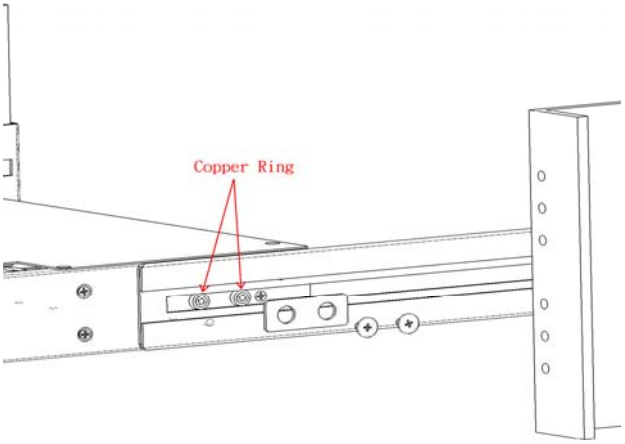
A. Rack Depth Under 520mm

1) Release the thumb screw of front bracket (both side)

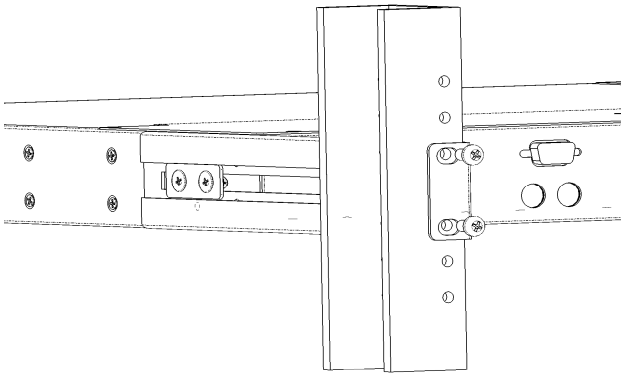
2) Install front bracket from each side using cabinet screws



3) Install rear bracket from each side

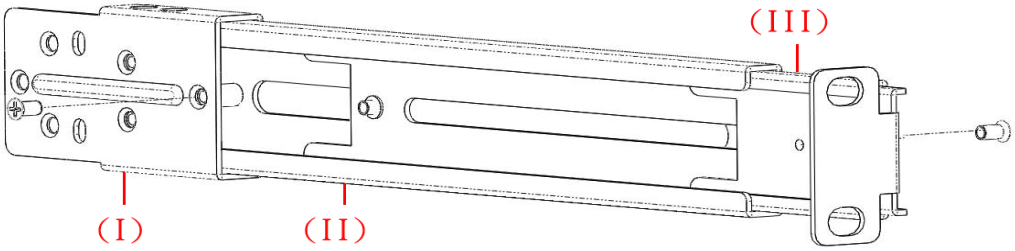


4) Install rear bracket from each side using cabinet screws

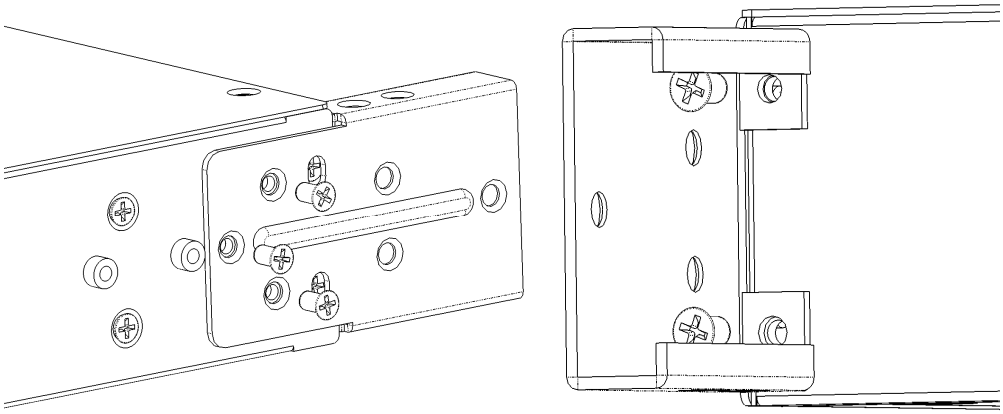


B. Rack Depth Above 520 mm

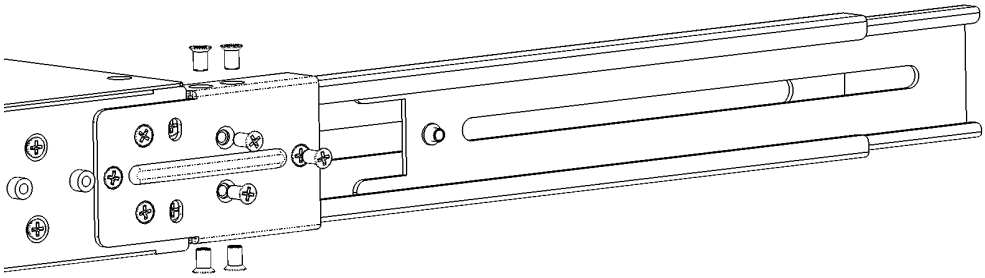
1. Remove the screw of long assemblied bracket and keep screws



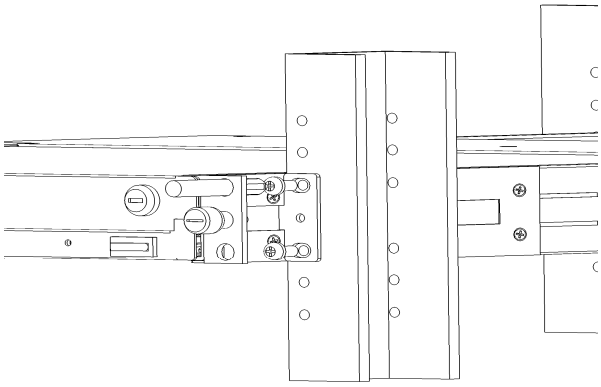
2. Combine (I) to console from each side using cap screw (5 pcs each side)



3. Combine (I) and (II) from each side (7 pcs each side)

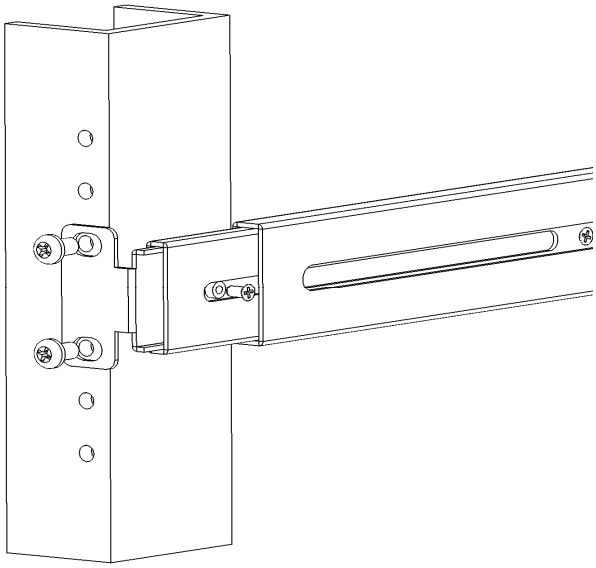


4. Release the Thumb Screw of front bracket and Install front bracket from each side using cabinet screws

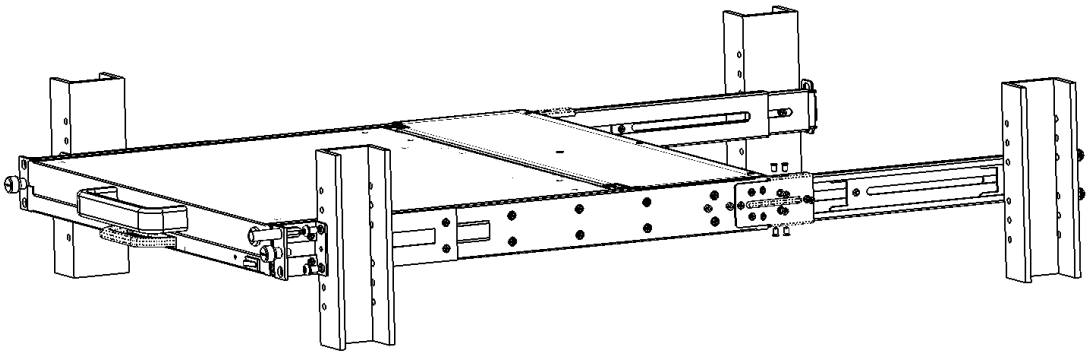


5. Combine (I)+(II) and (III) using the original screw and Install rear bracket from each side using cabinet screws

Please use support bracket to replace (III) when rack depth is more than 680 mm.



6. Finish Installation as below



7. Attach provided cable and power cord to use

3.2 Installing the Video Card and Video Driver

Before connecting the LCD console, make sure your computer has a video card already installed for the monitor. After you connect the console, install the video software driver. The video driver is supplied by the video card manufacturer and may be found on the CD-ROM that came with your computer. If you need information on installing a video card or video driver, refer to the manual that came with your video card.

3.2.1 Configuring the Display Settings

After connecting the console and turning on your computer, you may need to configure one or more of the following display settings:

- Display mode (also called desktop area or video resolution)
- Refresh rate (also called vertical scan rate or vertical sync)
- Color depth (also called color palette or number of colors)

Each video card has several controls that let you adjust the display settings. However, the software and driver for each video card is unique. In most cases, you adjust these settings by using a program or utility provided by the manufacturer of the video card. Most video cards use the Windows Display Properties control panel to configure the display. To open the Windows Display Properties, click the right mouse button in a blank area of the Windows desktop and then select **Properties.** The Settings tab usually lets you change the Color Palette and the Desktop Area *(x by y* pixel resolution).

Some video cards integrate additional features into the Windows Display Properties control panel to give you an exceptional setup that is flexible and easy to use. For example, the control panel may include an Advanced Properties button, an Adjustment tab, or a Refresh tab for changing other settings. Other video cards have a separate utility for setting display properties.

Whenever you change the resolution, color, or refresh rate, the image size, position, or shape may change. This behavior is normal. You can readjust the image using the monitor on-screen controls. For more information on the monitor on-screen controls, refer to Chapter 2. For more information on configuring the display settings, refer to the manual that came with your video card.

3.2.2 Connecting the Console

To connect an LCD console to a computer, perform the following steps

Figure 3-1. The rear view of LCD console

1. Turn off your computer. You should always turn off your computer before connecting or disconnecting a device.
2. Connect the video (VGA) connector of the KVM cable to the video card connector on the rear panel of your computer.
3. Identify and connect the PS/2 mouse and PS/2 keyboard connector to the correct PS/2 ports on the rear panel of your computer or connect the USB connector of the KVM cable to the USB connector on the rear panel of your computer.
4. Connect the AC power cord to the power inlet on the console and then to a power outlet.

3.3 Turning on the Console

Make sure all cables and the power cord are connected properly. Be sure to tighten all connector screws. Using two hands, grasp the rear of the console, lift the tab and pull the panel up and forward. This will disengage the momentary on/off switch and the unit should power on. The LED on the left or under of the monitor panel should turn from orange to green, verifying that the unit is operational.

3.4 Testing the Console

To test that the console is working properly, perform the following steps:

1. Power up the console, and then turn on your computer.
2. Make sure the video image is centered within the screen area. Use the OSD controls to adjust the image (see note below) or press the Auto button on the right hand side of the monitor.

If the unit does not power up when the panel is pulled up, try pushing the soft power on/off button on the left or under side of the monitor panel to power up the unit.

You can adjust the horizontal and vertical position, contrast, and brightness to better suit your video card and your personal preference. Refer to Chapter 2 for more information on using the on-screen menu to adjust the video display

Before you begin, make sure that powers to all the devices you will be connecting up have been turned off. To prevent damage to your installation due to ground potential difference, make sure that all the devices on the installation are properly grounded. Consult your direct vendor for any technical issues if necessary.

4. KVM Switch

4.1 Introduction

The 8/16-port combo-free KVM switch can control attaching servers and computers from local. This KVM switch is loaded with features such as On Screen Display (OSD) Menu, Password security, Hot key Control and Auto Scan Control. It has complete keyboard and mouse emulation for simultaneous PCs boot-up process.

4.2 Features

- Support combo interface for connecting to computer ports conveniently
- Support MS windows, Netware, Unix, and Linux
- Support iMAC, Power MAC and Sun Micro Systems with USB port
- No Software Required --- easy computer selection via On Screen Display (OSD) Menu and Hotkeys
- Provide various Hotkey (Scroll-Lock/ Cap-Lock/ Num-Lock/ L-Alt/ L-Ctrl/ L-Win/ R-Alt/ R-Ctrl/ R-Win) for switching computer port and other control functions, so Hotkey function can be used in various types of keyboards, and to avoid Hotkey duplicate problem.
- Provide ACL (Access Control List) security function. Store up to 8 independent user accounts
- Hot Plug --- add or remove connected computers without powering off the KVM switch or computers
- Support two user layers, and search computer/server name
- Plug-n-Play monitor support
- Keyboard status restored when switching computer
- Support Daisy Chain function with both Bus (8-layer) and Tree (2-layer) topologies

4.3 Technical Specifications

Feature	Specification
KVM Type	PS/2 and USB interface KVM switch
PC Port Connector	HDDB-15
PC Ports	8 / 16
Max. Distance (KVM switch -- Host)	5 m (15 ft)
Daisy Chaining	Support Daisy Chaining with both Bus (8-layer) and Tree (2-layer) topologies, DB15 Female Connector
Computer port selection	On Screen Display (OSD) Menu, Hot Key, Push Button
Hotkey	Provide various Hotkey (Scroll-Lock/ Cap-Lock/ Num-Lock/ Alt/ Ctrl/ Win)
Security	Provide ACL (Access Control List) security function, store up to 8 independent controllable Computers lists
Multilingual OSD (On Screen Display) control	8 languages (English, France, Germen, Spanish, Italian, Russian, Japanese, Simplified Chinese)
Auto-Scan Intervals	5 ~ 99 Sec.
Keyboard Emulation	PS/2 or USB
Mouse Emulation	PS/2 or USB

Table 4-1. Technical Specifications

4.4 System Requirements

Model No.	8-port combo-free KVM switch
Computer side	8 HDDB-15 pin male to one HDDB-15 pin, two Mini Din 6 pin or one USB special cables

Table 4-2. System Requirements

Model No.	16-port combo-free KVM switch
Computer side	16 HDDB-15 pin male to one HDDB-15 pin, two Mini Din 6 pin or one USB special cables

Table 4-3. System Requirements

4.5 Cable Diagrams

PC Port Special Cable:

HDDB-15 pin male to one HDDB-15 pin male, two Mini Din 6 pin or one USB special cables

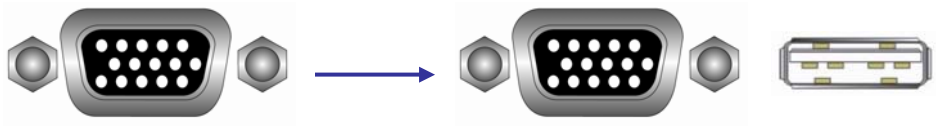


Figure 4-1. HDDB-15 / VGA + USB x 1 (1.8M)

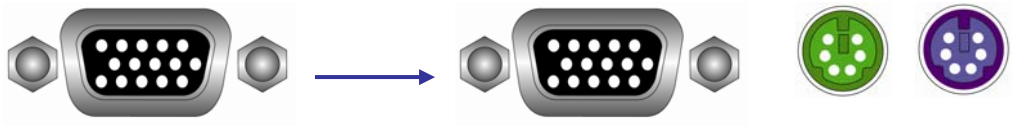


Figure 4-2. HDDB-15 / VGA + PS/2 x 1 (1.8M)

Daisy Chain Cable:

VGA Cable:

HDDB-15 pin Male to Male

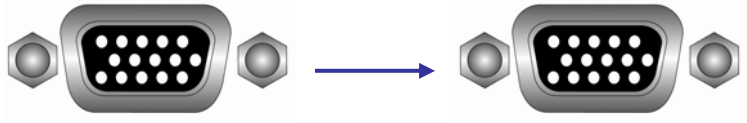


Figure 4-3. Daisy Chain Cable

Daisy chain needs the cable all 15 lines connected. This is a special VGA cable, normal VGA cable has unconnected lines. **Do not use other VGA cable for daisy chain.**

CAT5/5E/6 Straight Through UTP/STP Cable

Pin	Wire Color	Pair	Function
1	White/Orange	2	T
2	Orange	2	R
3	White/Green	3	T
4	Blue	1	R
5	White/Blue	1	T
6	Green	3	R
7	White/Brown	4	T
8	Brown	4	R

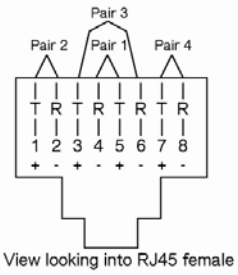


Figure 4-4. CAT5/5E/6 Straight Through UTP/STP Cable (8P8C)

4.6 Rear Panel

Dual rail console with 8 port Combo-free KVM Switch:

Dual rail console with 16 port Combo-free KVM Switch:

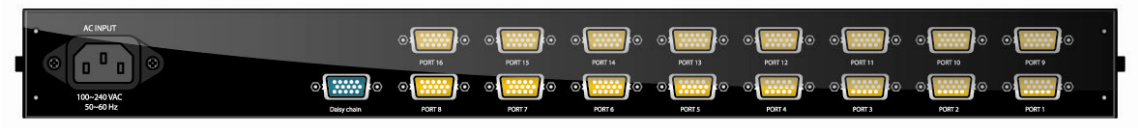


Figure 4-5. Rear Panel

4.7 Hardware Installation

Before installation, please make sure all of peripherals and computers have been turned off.

4.7.1 Computer / Server Installation

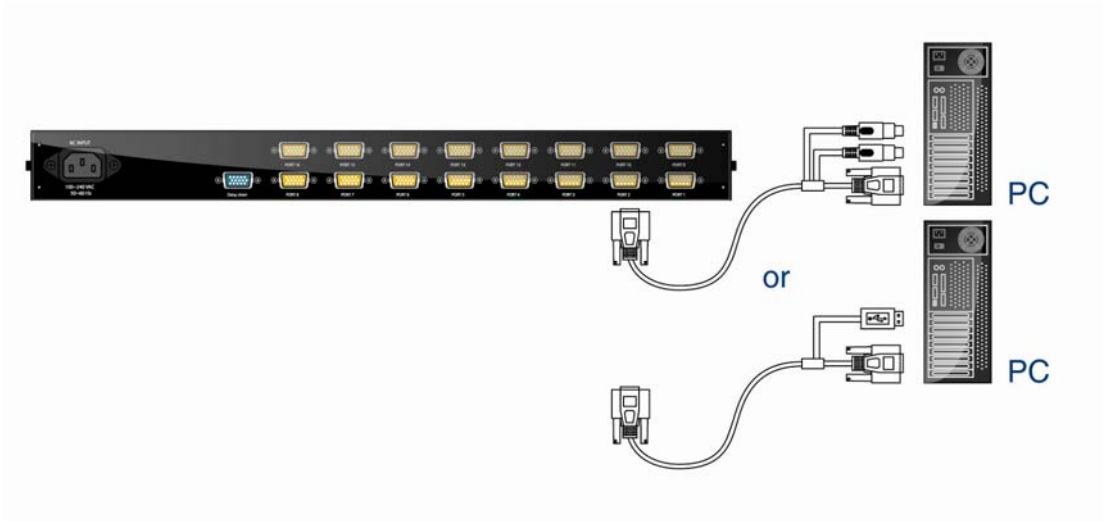


Figure 4-6. Computer / Server Installation

3-in-1 HDDB-15 Cable Installation

Each computer port connector is HDDB-15 type. Inspect the 3-in-1 (PS/2 interface) or 2-in-1 (USB interface) DB15 cable. It will have a HDDB-15 male connector at one end. Plug it into computer port on the rear of console. The other end of input cable has three connectors (PS/2 interface) or two connectors (USB interface): a HDDB-15 male type for computer video, a purple mini din 6-pin PS/2 connector for keyboard and a green mini din 6-pin PS/2 connector for mouse or one USB connector for keyboard and mouse. Plug these three connectors (PS/2 interface) or two connectors (USB interface) into the respective ports of computer. Repeat the same procedure for all other computers.

a. PS/2 computer --- Plug PS/2 mouse connector to computer mouse port and PS/2 keyboard connector to computer keyboard port. Do not hot plug PS/2 port. If you must do that make sure PS/2 mouse first then the PS/2 keyboard.

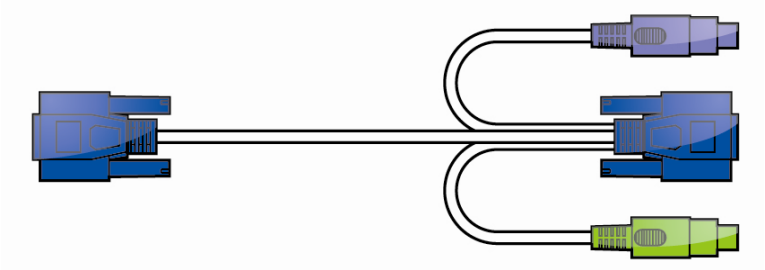


Figure 4-7. 3-in-1 HDDB-15 / VGA + PS/2 x 2 Cable

b. USB computer --- Plug in USB connector. This single USB connector can handle both keyboard and mouse data, it work as a standard HID (Human Interface Device) no extra driver needed.

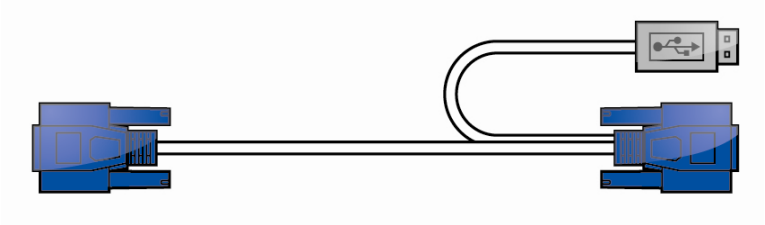


Figure 4-8. 2-in-1 HDDB-15 / VGA + USB Cable

4.7.2 Power ON

Check connections and plug in power supply

Double check whether all cables/connectors are properly connected. You can check the color of keyboard and mouse connector to make sure the keyboard and mouse cables go to the correct ports.

Plug the power supply to the KVM switch and plug the AC power plug into the electrical receptacle. Now you will see the LED lights up, and hear a beep sound.

4.7.3 Daisy Chain Connection

Use one end of daisy chain cable to connect to the **Daisy Chain port** of console and connect the other end of daisy chain cable to the **Local Console port** of the next Slave KVM switch. Please repeat the connection procedures for next Slave KVM switch. You can daisy chain up to eight banks in maximum.

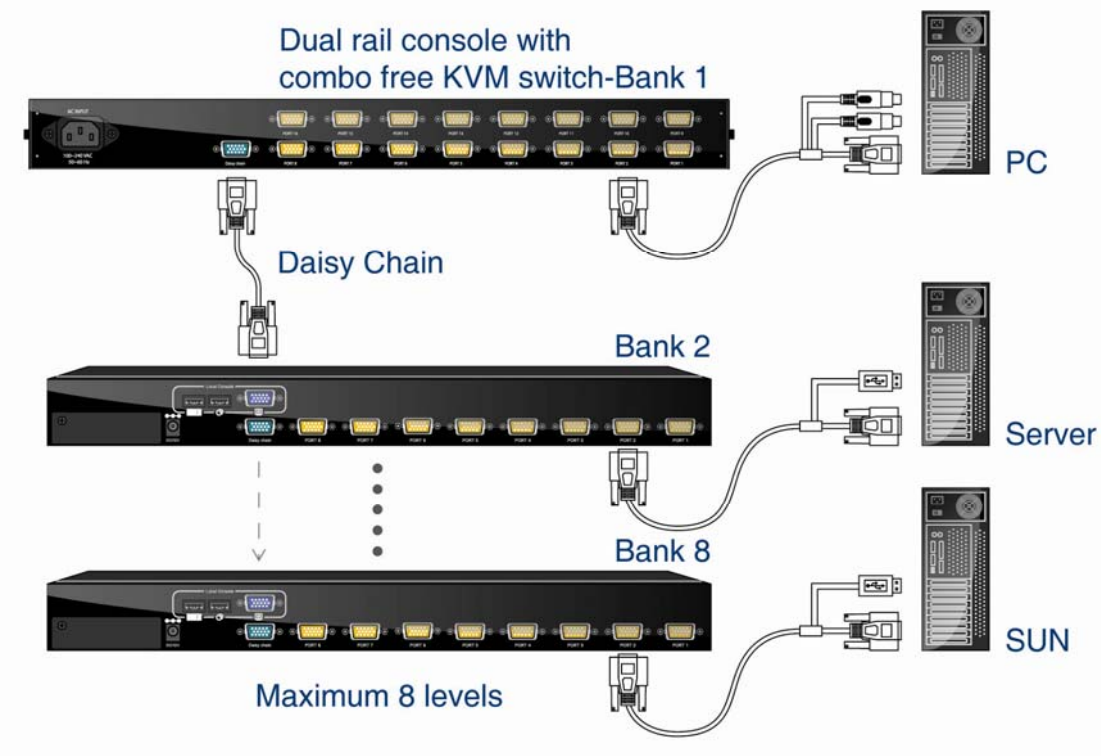


Figure 4-9. Daisy Chain Connection

4.8 Usage

When you power on KVM switch, it will prompt a Login window waiting for user name and password. Please refer to "Hotkeys and OSD manual" for details.

4.9 Hot plug

The KVM Switch supports "Hot Plug" function for any non-PS/2 connectors. You may Hot Plug the USB mouse or USB keyboard as you like.

- DO NOT hot plug PS/2 port.
- Some O.S. (Operation Systems) like SCO Unix or Linux does not support "Hot Plug" function. If you apply "Hot Plug" to this kind of O.S., it will cause unpredictable behavior or shut down the Computer. Before attempting to use "Hot Plug", please make sure your O.S. and mouse software driver support the "Hot Plug" function.

4.10 Hotke

You can also conveniently command KVM switch by switching ports through simple key sequences. The default hot key is **SCROLL LOCK** and the user could change hot key as your convenient application. If you prefer to use some hot key, please go to OSD menu and change the default hot key to the other.
To send commands to KVM switch, the **SCROLL LOCK** key must be pressed twice within 2 seconds. You will hear a beep for confirmation and the keyboard is in Hotkey mode. Then you have to enter **Command i**n 2 seconds. If you have not pressed any key during Hotkey mode over 2 seconds the Hotkey mode will be escaped and back to Operation System control state.
A Command should be issued in Hotkey mode in 2 seconds.

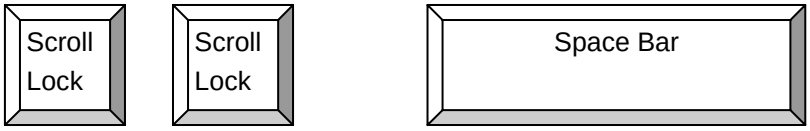


Figure 4-10. Hotkey

Command	Function
Space bar	Active OSD
↑	Previous Channel
↓	Next Channel
[1.2,…,8] bank, [01,02,…,16] port	First digit bank number start with 1 Second and third digits port number start with "01"
PgUp	Previous bank
PgDn	Next bank
"B"	Turn on / off beeper
"S"	Auto Scan
"U"	Console Security "ON" to "OFF"
"P"	User logout / login
"R"	OSD setting back to factory default value

Table 4-4. Hotkey

Example: hitting Scroll Lock twice then hitting key 1, key 0, and key 1 will switch to bank 1 port 01. The first port is local at bottom right at the back panel.

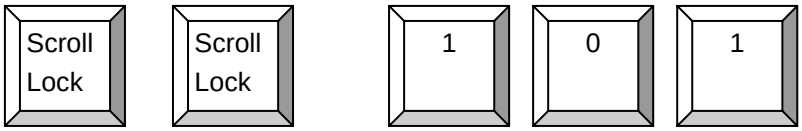


Figure 4-11. Hotkey Example

There are two methods to activate the OSD menu.

1. Activate OSD by Mouse

   Hold the left mouse button press and release the Esc key will active the Port Display. Hold the right mouse button press and release the Esc key will active the OSD.

2. Active OSD by press Hotkey twice then press Space bar.

4.11 OSD (On Screen Display)

On Screen Display Menu provides a menu driven interface to handle a Multilingual Menu, Access Security, Computers switching process, to name a PC name or server name, to set up the password/window display time and to search PC port name if you don't remember it.
It allows two console users to access the same PC and only one of users has been linked to this PC first, another user can only view the same PC.
This OSD Menu has 3 tiers dialog window:
1. **Login Window** --- When powering on this KVM switch, it will prompt a login window and ask for user name and password. This KVM system can setup one SUPERVISOR and eight USERS. Before not setting up administrator user's name and his password, none of administrator users could access OSD menu. When you login with Supervisor, please go to USER SECURITY to set up one new SUPERVISOR or USERS. SUPERVISOR can access all Main menu options. USER can access PORT NAME and PORT SEARCH for switching.
2. **Port Name**--- port switching using OSD
3. **Main Menu**--- 8 menus to operate this KVM switch

MAIN MENU	Function
01 LANGUAGE	OSD language change
02 PORT NAME EDIT	PORT NAME modification
03 PORT SEARCH	quick searching by port name
04 USER SECURITY	Change password
05 ACCESS LIST	Define user access authority
06 HOT KEY	Change Hotkeys
07 TIME SETTINGS	Modify SCAN time interval
08 OSD MOUSE	Modify OSD MOUSE speed

Table 4-5. OSD Main Menu

4.11.1 Login Window

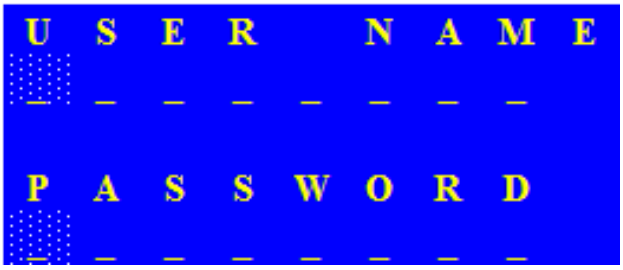


Figure 4-12. Login Window

Turn on local console monitor and power on by plug in the power adapter, there will be login window at screen. No input for username and password over 1 minute at login windows the monitor's signal will be turn off. The default SUPERVISOR user name is all eight zero digits "00000000 "..
The password is all eight zero digits "00000000 ". . .

After login on or port switch either by panel button, OSD or Hotkey, the screen will display the following information, one digit BANK NUMBER, two digit PORT NUMBER, PORT NAME and current Hotkey, any input or mouse move the screen will back to PC.

Figure 4-13. Login Window

Security Logout

No input for username and password over 1 minute at login windows the console monitor's signal will be turn off.
At normal operation, no input from console keyboard or mouse over 10 minutes the KVM switch will turn off the screen display then go to Login Windows ask for user name and password.

4.11.2 Port Name

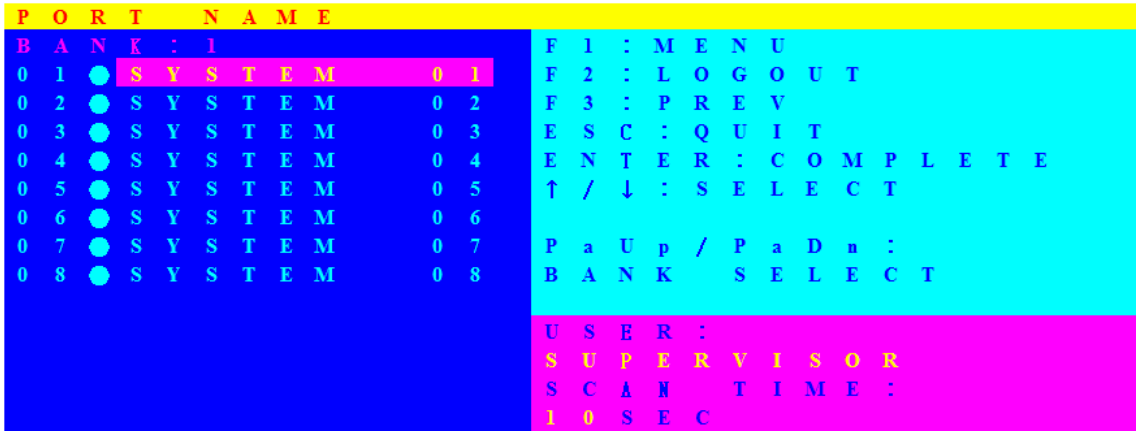


Figure 4-14. Port Name

OSD Function Key	Description
F1	Go to Main Menu
F2	CONSOLE OFF
F3	Previous Menu
Enter	Switch to Selected Port
↑ / ↓	Move Select
PgUp	Previous Bank
PgDn	Next bank
Esc	Quit
1	Show port 01 ~ 08
2	Show port 09 ~ 16
3	Show port 17 ~ 24
4	Show port 25 ~ 32

Table 4-6. OSD Function Key

CONSOLE OFF – logout so the next person needs to enter user name and password in order to do operation on this KVM system

USER: There are two type of user SUPERVISOR and USER. SUPERVISOR can setup the change the OSD settings at Main Menu. USER can do Port switch and Port Search only.

4.11.3 Main Menu

Figure 4-15. Main Menu

OSD Function Key	Description
Enter	Select
↑ / ↓	Move
F1	Go to Main Menu
F2	Console off
F3	Back
Esc	Exit

Table 4-7. OSD Function Key

4.11.3.1 LANGUAGE

The default language is ENGLISH. Moving the cursor by keyboard -- Up Arrow key "⬆"or the Down Arrow key "⬇"or mouse to select language as you need.

Figure 4-16. Language

4.11.3.2 PORT NAME EDIT

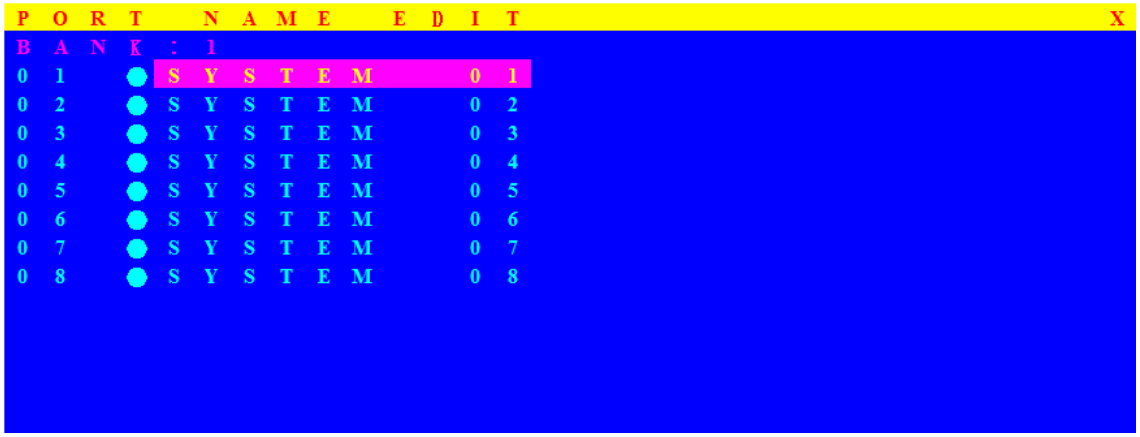


Figure 4-17. Port Name Edit

OSD Function Key	Description
Enter	Port Name Edit
↑ / ↓	Move
F1	Go to Main Menu
F2	Console off
F3	Back
Esc	Exit
1	Show port 01 ~ 08
2	Show port 09 ~ 16
3	Show port 17 ~ 24
4	Show port 25 ~ 32

Table 4-8. OSD Function Key

The first line bar is Bank number, following lines are port name list.
Use Up Arrow key "⬆", Down Arrow key "⬇" or OSD MOUSE to move. After you have selected the PC port already, you can either press the Enter" ↵ "Key, or Move the cursor to PC name double clicks the left button of mouse to switch the PC port immediately. Press PgUp key or PgDn key for selecting previous or next Bank.
Press the Up Arrow key "⬆" or the Down Arrow key"⬇" to select "system 02 " and press Enter"↵ " key to switch current PC port to PC port 2, or moving cursor to SYSTEM 02 and double clicks the left button of mouse to switch current PC port to PC port 2.

Press " **Ins**" key or click the right button of mouse for editing PC name.
Press " **Esc**" key to cancel editing PC name without any change or Enter" ↵ " key to complete the new PC name.

4.11.3.3 PORT SEARCH

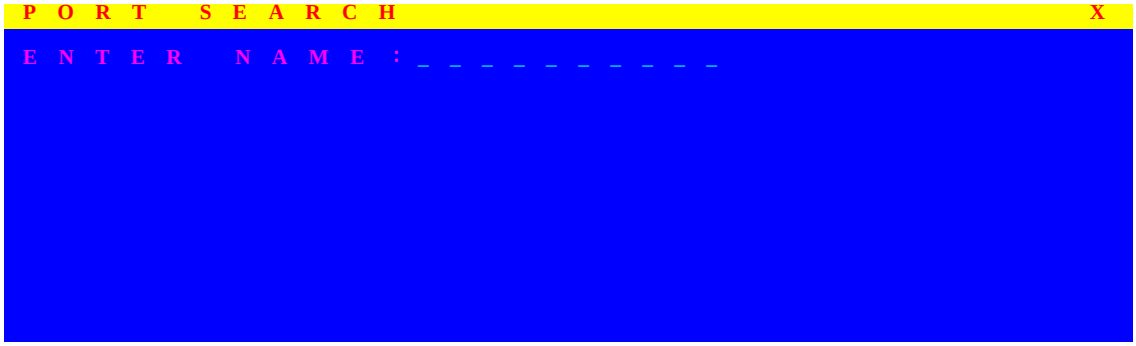


Figure 4-18. Port Search

OSD Function Key	Description
Enter	Start Port Search
F1	Go to Main Menu
F2	Console off
F3	Back
Esc	Exit

Table 4-9. OSD Function Key

Search the computer by port name. Enter "*" will show the all the port.

4.11.3.4 USER SECURITY

At USER SERCURITY of OSD can setup one SUPERVISOR and eight ADMINISTRATORS all with 8 digits name and password.

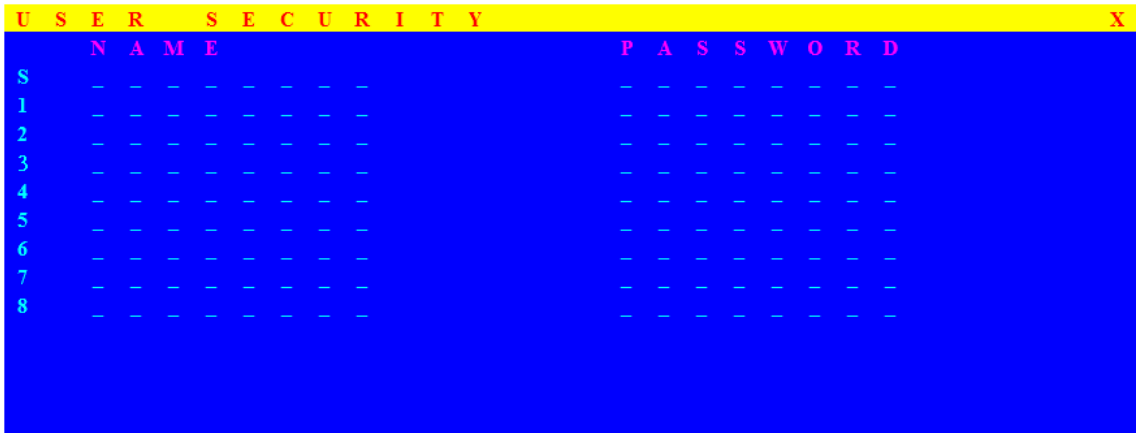


Figure 4-19. User Security

OSD Function Key	Description
Enter	Enter user name
→↑←↓	Move
F1	Go to Main Menu
F2	Console off
F3	Back
Esc	Exit

Table 4-10. OSD Function Key

Press "ENTER" key to get USERS list. The left column "S" means SUPERVISOR and "1", "2","3",…., "8" mean ADMINISTRATOR. The maximum NAME is eight characters maximum (A~Z and 0~9) and PASSWORD is eight characters maximum (A~Z and 0~9).

4.11.3.5 ACCESS LIST

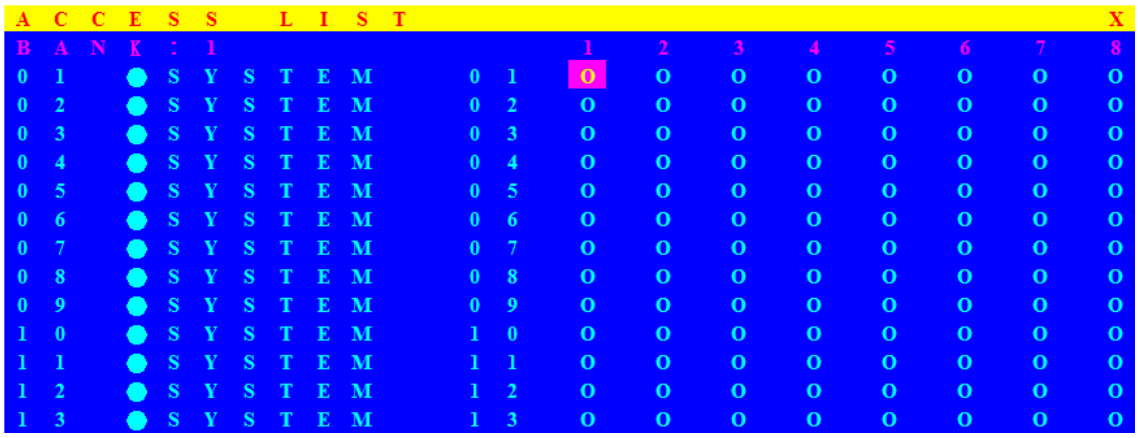


Figure 4-20. Access List

OSD Function Key	Description
Enter	Select
→ ↑ ← ↓	Move
F1	Go to Main Menu
F2	Console off
F3	Back
Esc	Exit

Table 4-11. OSD Function Key

Only SUPERVISOR can set up the ACCESS LIST. The first column is the PC name list the following 8 column the access right of each ADMINISTRATOR use OSD MOUSE or Enter key to active/inactive the access right of each port. "X" means to disable access and "O" means to enable access.

4.11.3.6 HOTKEY

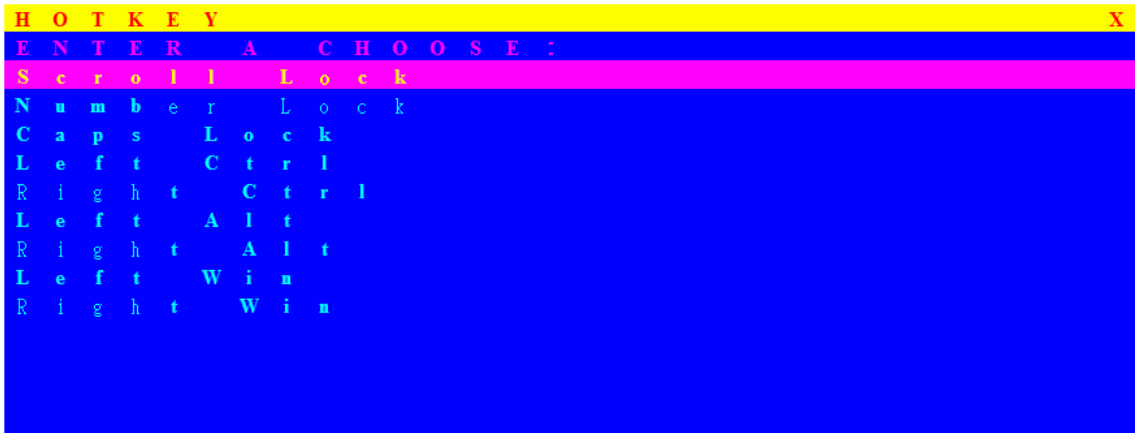


Figure 4-21. Hotkey

OSD Function Key	Description
Enter	Select
→ ↑ ← ↓	Move
F1	Go to Main Menu
F2	Console off
F3	Back
Esc	Exit

Table 4-12. OSD Function Key

Some keyboard may not equip with all the special keys. Make sure the key you select is available in you keyboard.

4.11.3.7 TIME SETTINGS

Figure 4-22. Time Settings

OSD Function Key	Description
Enter	Save
F1	Go to Main Menu
F2	Console off
F3	Back
Esc	Exit

Table 4-13. OSD Function Key

The "SCAN TIME: 10 SEC" means that scan interval from one PC port to next PC port. The default SCAN time is 10 seconds and the maximum scan time is 99 seconds, can not use number pad. Press "**Enter**" key to save SCAN TIME

4.11.3.8 OSD MOUSE

You can change the move speed of mouse cursor in his item. There are three levels you can choose in it. The fastest move speed is "FAST", the second is "MIDDLE" and the slowest is "SLOW". Using "⬆" and "⬇" key on keyboard to move highlight bar and select what move speed you want to use. After press Enter Key, the mouse cursor move speed will change.

Figure 4-23. OSD Mouse

OSD Function Key	Description
Enter	Save
↑ / ↓	Move
F1	Go to Main Menu
F2	Console off
F3	Back
Esc	Exit

Table 4-14. OSD Function Key

4.12 Troubleshooting

1. The computer boot up fine, but keyboard doesn't work
   - PS/2 keyboard or PS/2 mouse port is not designed for Hot Plug. USB mouse and keyboard can Hot Plug, but need to wait few seconds for Computer bus emulations.
   - Don't press any keys on the keyboard while the selected computer is booting up. Otherwise it might cause the keyboard error or keyboard is not detected at Host side.
   - Make sure the keyboard works when directly plugged into the computer.
   - Try a different keyboard, but use only 101, 102 or 104-key keyboard.
2. The Mouse is not detected during PC boot up
   - Make sure to plug in mouse first, and then plug in keyboard.
   - Make sure the USB or PS/2 mouse works when directly plugged into the computer.
   - Avoiding moving the mouse or pressing the mouse buttons when switching ports.
3. No video signal display on the remote monitor
   - Please go to check all of VGA cables & connector are firmly connected.