MT-VIKI 1716UL-IP Modular LED Kvm Switch User Manual

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Thanks for purchasing this product!

Before using this product for the first time, be sure to read this manual and the relevant information delivered with the machine carefully, and follow the instructions for use, installation, maintenance and repair.

We have carefully checked and verified the user manual, but we can not guarantee that the manual is completely free of any mistakes and omissions.

This manual image for reference only, if several pictures is different with the product, please actual products-based. We reserve the right to improve / modify manuals and products at any time. After the product is adjusted, without notice.

Please be careful to keep the product manual and warranty card, any direct, indirect, intentional, unintentional, and other losses caused by improper installation or use. To the maximum extent permitted by law, we assume no liability.

Contents

Features and specification

Description

The modular LED KVM switch is a new computer room server control platform. The traditional four-in-one LCD KVM is an inseparable whole, the weight is about 25KG, which is very heavy. It needs two people to complete the installation. The cable between the display terminal and the KVM is pulled by the tank chain with a set of harnesses, which is very complicated and easy to get stuck. Maintenance must be disassembled, the

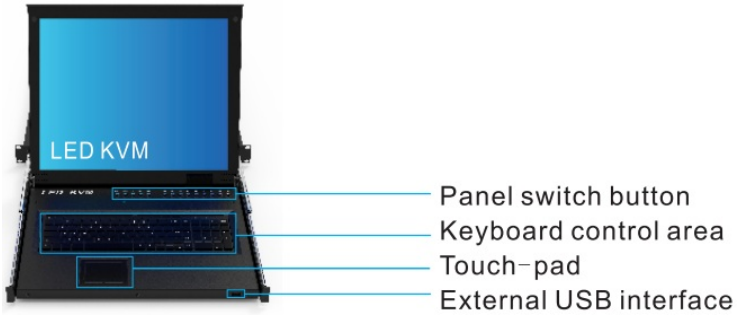
transportation is fragile and the cost is high.

The new combined LED KVM eliminates the drawbacks of traditional KVM, and the KVM module and the screen display operator can be easily separated from the rack tray. Installation can be done easily by one person, maintenance upgrade, only need to easily disassemble the KVM module or the screen display terminal, and it can be completed in 3 seconds. Since many parts are made of aluminum and foldable, transportation is very convenient.

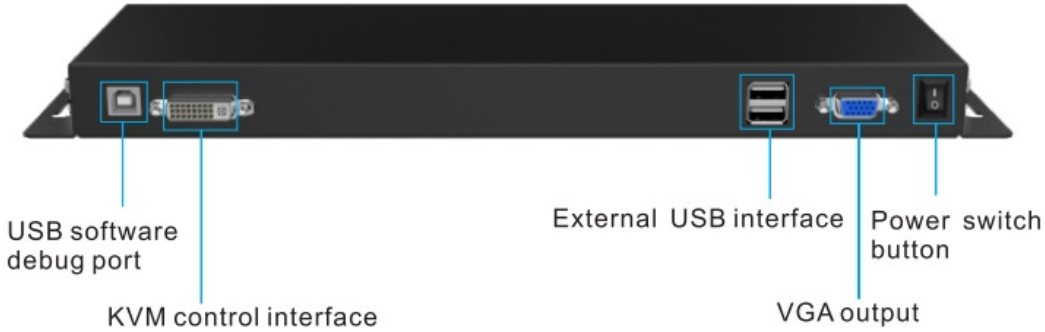
This series of KVM control platform has the characteristics of improved efficiency, simple use, easy management, cost saving, remote management, environmental protection and energy saving. Its height is 1U, conforms to the 19-story structure, and saves more than 85% of the cabinet's use space. The aluminum shell is easy and convenient to carry in and out at any time, and has good anti-corrosion and heat dissipation functions.

In order to make user's operation more convenient, easy and saving times, we specially set the following functions. please check below pictures.

Front interface diagram.



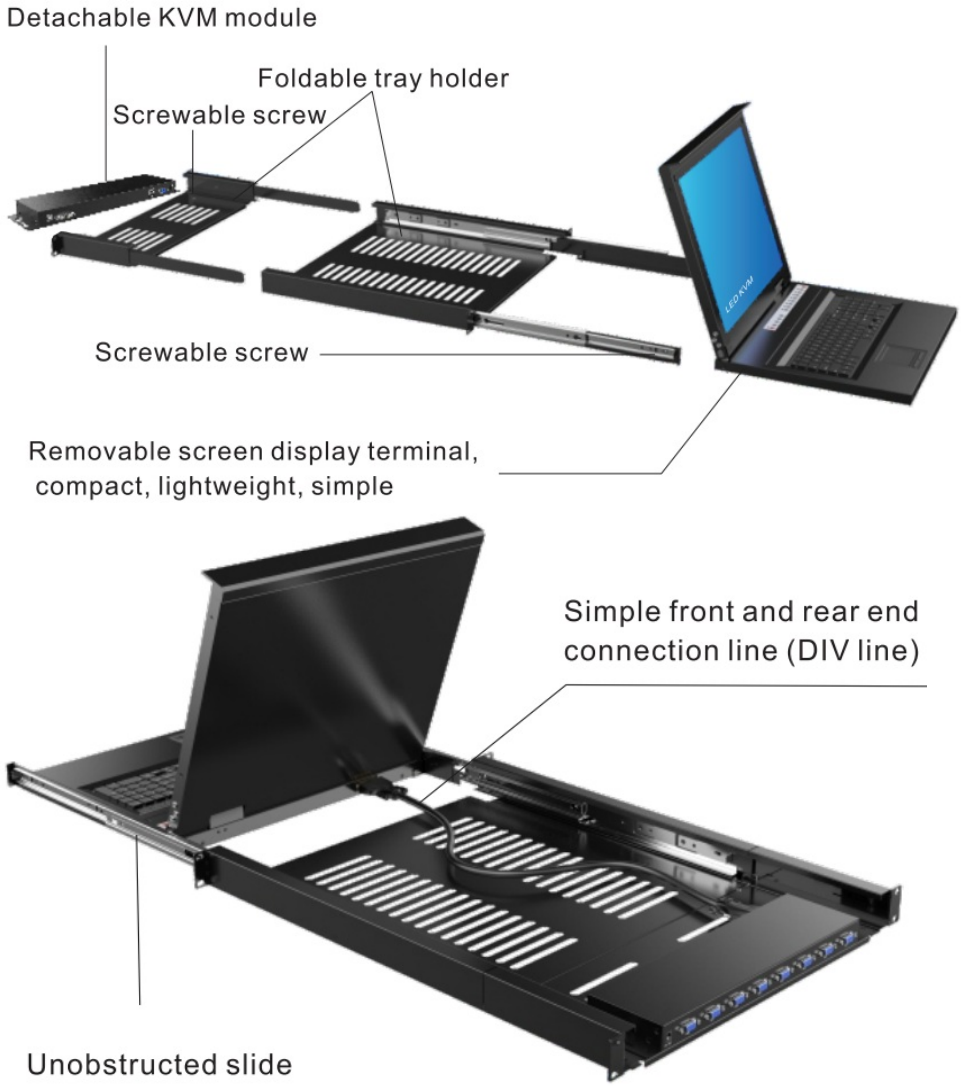
KVM front interface diagram



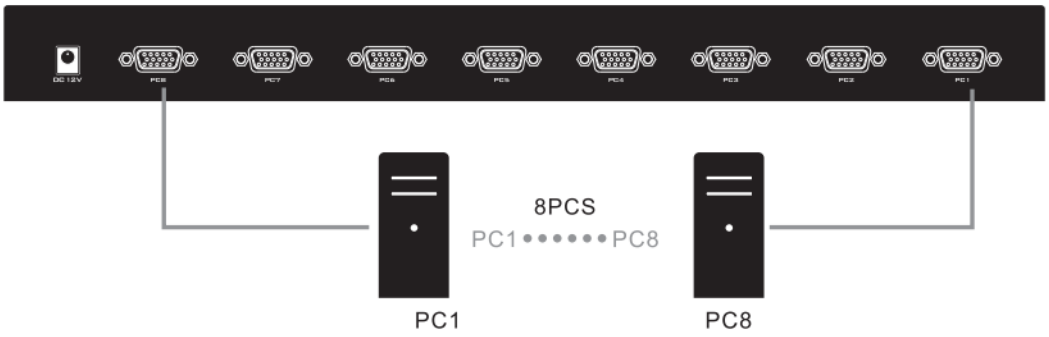
Note

1. External USB control interface, suitable for USB 1.1 devices
2. USB software debug port, when users have compatibility problems or need to customize the performance during using, can contact our customer service, users can update the software by themselves.
3. Power switch button, easy to control the power switching.

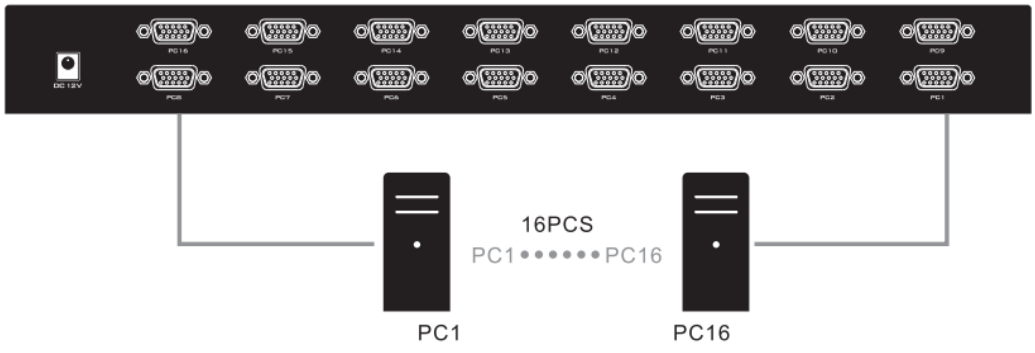
Structure diagram



8 port connection diagram



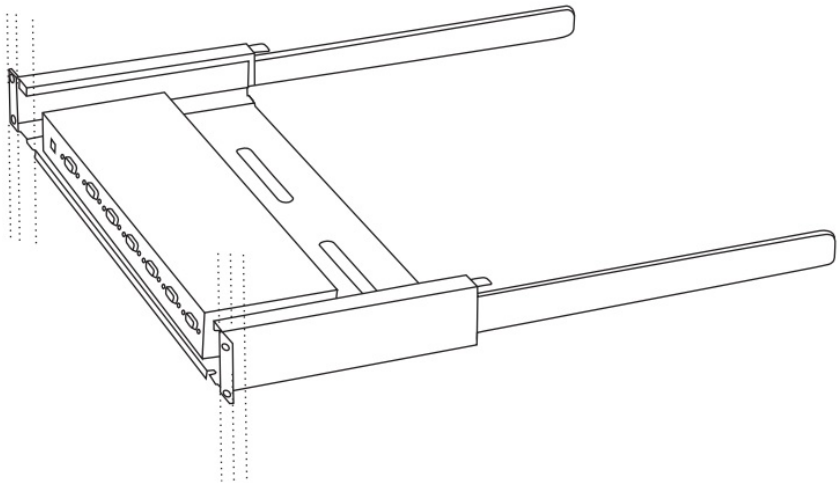
16 port connection diagram



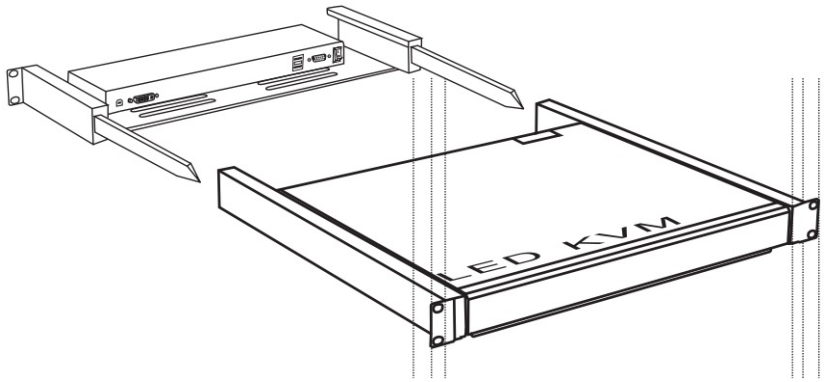
Installation

The mounting bracket of the cabinet must be adjusted to the standard server installation position before installation.

Step 1: Open the rear door of the cabinet, select the appropriate height, and load the KVM module and small tray into the cabinet.



Step 2: At the front side of the cabinet, insert the display terminal and the big tray into the support arm of the small tray, and then fix the cabinet screws.



Step 3: Connect the KVM module and the display terminal via the DVI cable

Step 4: Connect KVM and server by dedicated KVM cable

Step 5: Turn on the power and complete the installation.

Features

- 17 inch display/ mouse/keyboard/smart switch
- The resolution of product display up to 1280*1024
- Support password protect and look up the server name
- LED display automatic adjusting function
- Support full DDC2B, can detect the model of display without switching PC
- Support double interface- The server of PS/2 or USB keyboard or mouse input use simultaneously
- Withdrawing design, adjust the length to suit for cabinets.
- Don’t need external software, port selected by hot-key, OSD menu and push button
- 98 key keyboard and touchpad sliding mouse
- System supported: Dos/Windows, Linux, Unix, Mac OS8.6/9/10, SUN Solaris 8/9

- Uses Aluminum shell material, simple to install, lightweight, portable design
- Transmission data via standard(full 24+5) DVI cable
- Support local keyboard, mouse, VGA monitor output (can be used as cascade port)

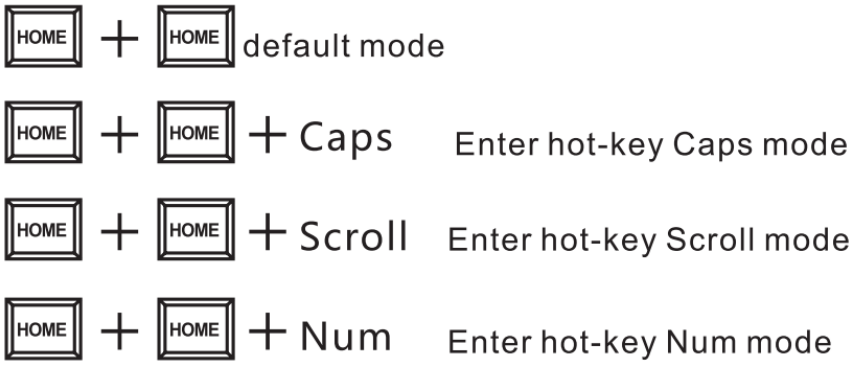
Specification

		8 Port	16 Port
LCD	Screen type	XGATFT LED	
	Size	4:317 inch	4:317 inch
	Resolution	1280’1024	1280’1024
	Color display	16.7M	16.7M
	Brightness	300(CD/m2)	300(CD/m2)
	Contrast	1000:1	1000:1
	Pixel spacing	0.264(H) X 0.264(W)	0.242(H) X 0.242(W)
		LED MTBF >50000H, Backlight MTBF >30000H	
	Power consumption	Max. 24W	
Keyboard	keyboard design	98 key	
	Compatible	IMB/AT, support Microsoft Windows 9x/ Me/nt/2k/XP	
	Port	PS/2	
	Use life	>1,000,000 times	
Mouse touch panel(2 button)	Port	PS/2	
	System	Support Me/nt/21QXP	
	Use life	>1,000,000 times	
Power input	DC12V		
Case Color	Black		
Housing	aluminum+metal		
D mension(L x Wx H)	480x600x45 mm		
Caoinet installation dept h	600-810mm(adjust the hanging ear)		
Operation Temp.	45-60r		
Storage Temps	-20-65C		

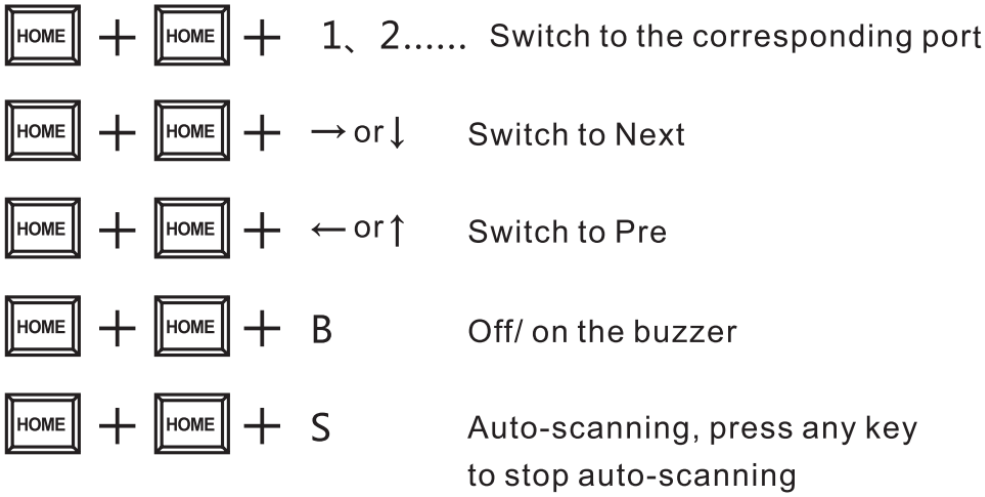
Hotkey command introduction

In addition to the front panel buttons, the KVM switch port can also be used via a simple keyboard combination.

Simply press the HOME / Cap / Scroll/Num keys twice within 2s to send a command to the KVM and you will hear" Beep ". After confirm that you can use the hotkey command, this product has multiple modes to choose. HOME + HOME is the default mode, when you do not want to use this mode, you can choose another command mode. The following is the way to set different hotkey mode.



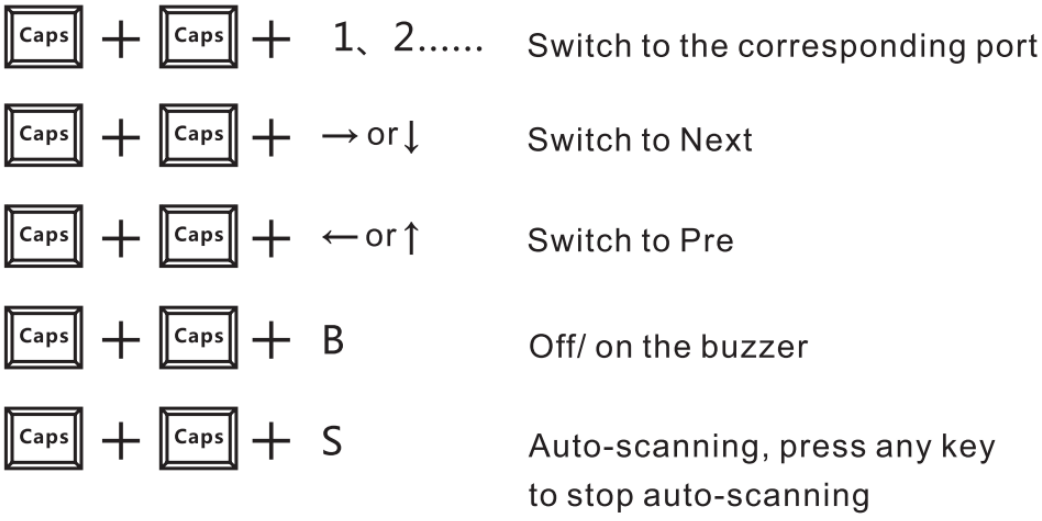
Default mode command



Home+ home + Num. +enter: set the auto-scanning intervals, from 5 –

If you would like to use Caps mode, please press Home+ Home+ Caps first

Caps mode Command



Caps+ Caps+I+ Num+ enter set the auto-scanning intervals, from 5999s

OSD menu Operation

OSD menu activation start

1. OSD one button start(Press the OSD key)
2. Home+Home+Enter to active OSD menu

Note: If you are using OSD, you can click directly when you are on the main menu.

Main Menu

: According to User selected, red letter will be revised

: Cascade indication, 00 represents the first level, 00 represents the second level

: The digital of port: 8 shows 8 port KVM switch, 16 shows 16 port KVM switch

:Port selected

: The port auto-scanning selected

:USB port is connected correctly

Menu set

F1: To revise the name of port

F2: Set the port to be scanned, used with auto-scanning mode 2 TAG (press F2 to open or close the scan, identify ” T”, as shown in Figure 2 below)

F3: Set system

F4: Scan port

F5: Set the host to be assigned non-administrator users (which hosts User 1-7 can operate)

F6: Set user login

Note: F1, F2, F3, F4, F6, F7 need to press on keyboard.

F1: Modify the host name

Note: You can change the name of the host as you like, use the keyboard up and down key to control, when you need to change the host name, press the enter on keyboard can be changed

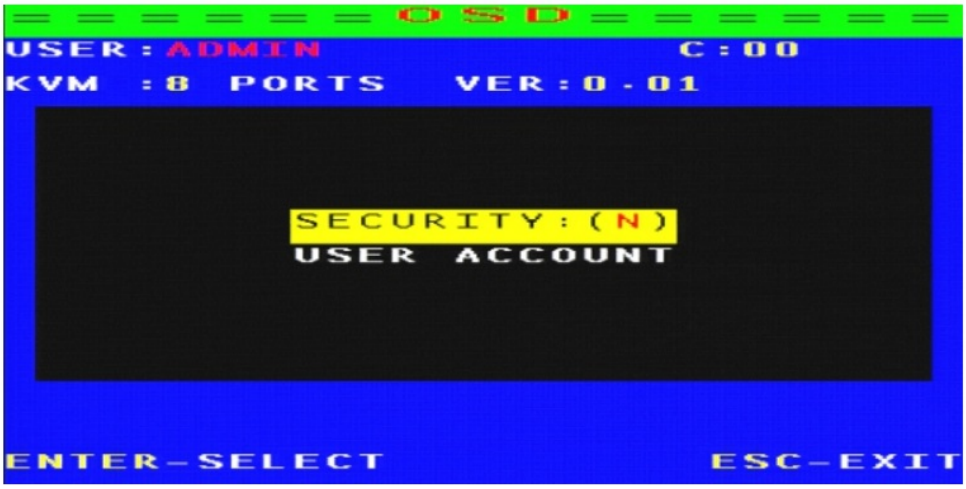
F3: System setting

Setting method: Under the current option, press enter to enter the setting

01: Buzzer on/ off
02: Autoscan Mode
0: All of ports
1: The option ID only scans the PC port connected to the USB
2. TAG set the port to be scanned. Use it with F2. Press F2 on the shown in Figure 2. At this time, set it to 2 in AUTOSCAN MODE corresponding computer and the “T” character will appear, as Press the scan hotkey, then the product will scan according to the port set by the user, and the computer without the “T” port will

skip directly.
03: Autoscan interval, default 5s
04. After switching, the OSD shows the Banner interval
05: After switching, OSD shows banner position, after entering, press Alt+" key to adjust position
06: Plugin Jump Mode
0: The device will be automatically switched to the port just inserted into the USB device when all the ports are free
1: Plug in a USB device (When USB port has a 5V devices input), it automatically switches to the one you plugged in, giving priority.
Note: The PLUGING JUMP MODE setting is only useful if JUMP CHECK is set to 1.
07: JUMP CHECK
0: NONE: Does not detect, Port switching could via panel keys or hotkey
1: POWER: Detects the USB is correctly plugged in and can only be switched on the port where the USB device is plugged in
08: Check the software version information

F7: Enter the user settings



When you press F7 into the user settings, the screen shown in Figure 4, SECURIY: Y represents that need the password to enter, N on behalf of don't need the password to enter, press the "," into the user account, Press "enter" to into, enter the screen as Figure 5

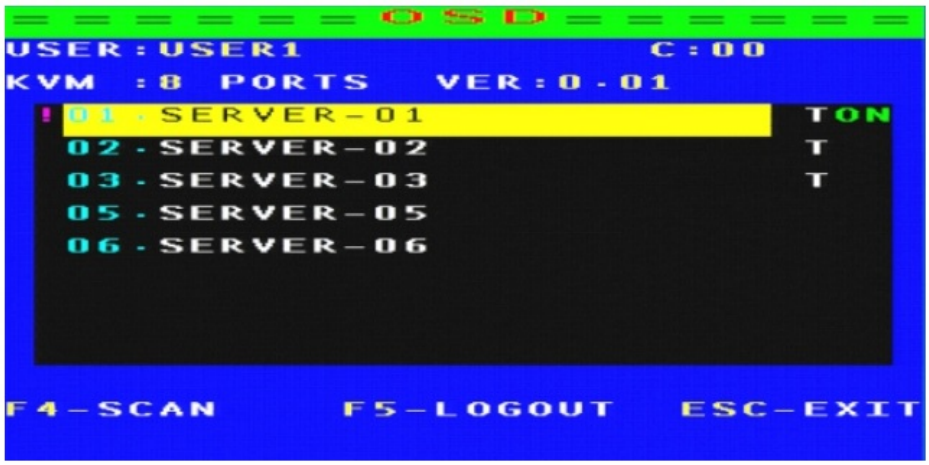
F1: modify the user name (user name: ADMIN, USER1, USER2, USER behind 6 X is hidden password, you need to press
F9 to view)
F9: View the current password (the figure above by F9 shows the first user's default password is 000000)
F4: Change the password
However, when set to Y, the OSD adds F5: LOGOUT options.
Each time you login will be prompted, as shown in Figure 6:

USER Name: the user name above Figure 5,
Password: the password behind the user name, then you need to submit the user name and password to enter

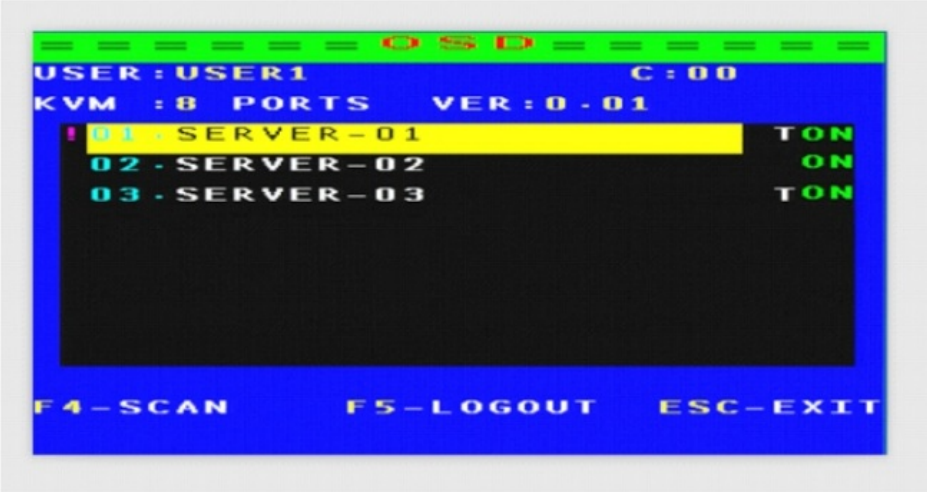
F6: Set and assign the administrator user host (which hosts User 1-7 can operate)

When you press the “F6” into Figure 7 picture, then press F1, F2, F3, F4, F5, F6, F7, the light green in the OSD menu will appear 1, 2, 3, 4, 5, 6, 7. These numbers represent USER1-7 users. press F12 to assign all users: DEL DELETE ALL USER’S PERMISSIONS.

For example: in Figure 7, SERVER-01-SERVER-03, each of these hosts have eight users, when you enter any one user can enter to control these three hosts: At this time when you press F5 to enter the user login picture(Figure 6) write User name: USER1, password: 111111 interface as Figure 8, you can see that 1,2,3,4,5,6 computers you can operate



input the user name: user-03, password: 333333, you can see that only 1,2,3 computers can operate, and so on



The default administrator user name: Admin, password: 000000, when you use this account, you can operate any host

Cascade installation steps

Precautions before installation:

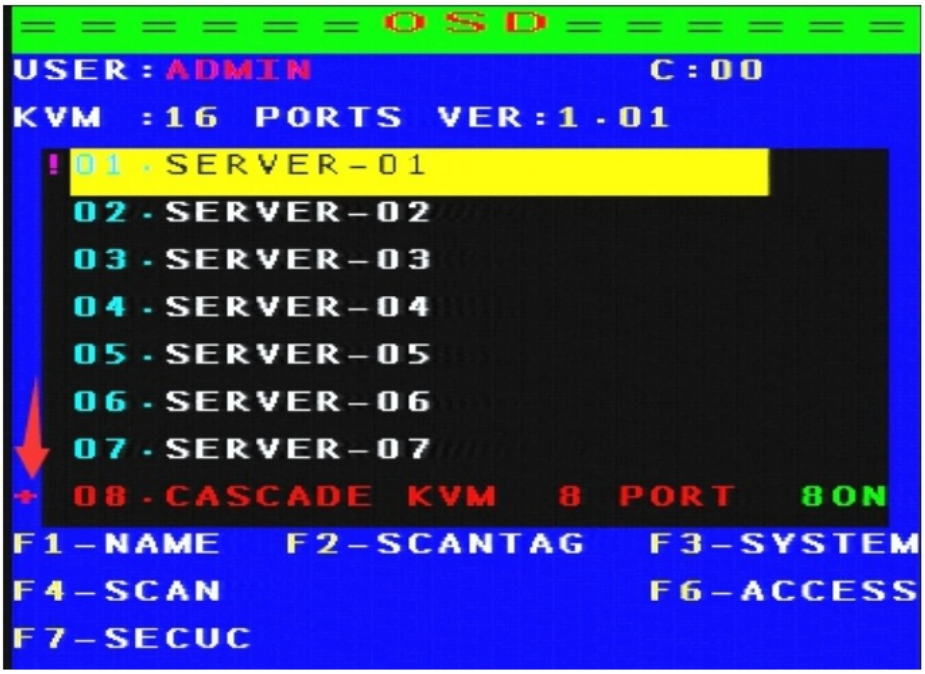
Make sure all the devices you want to connect are power off. In order to the installation is not damaged, please check all devices are well connected, and you can ask for all the detailed support from your vendor if you need.

Connect output source, input source, cascade cable and keyboard, mouse.

Connect the power adapter after output source, input source, cascade cable connected to prevent the keyboard stuck phenomenon.

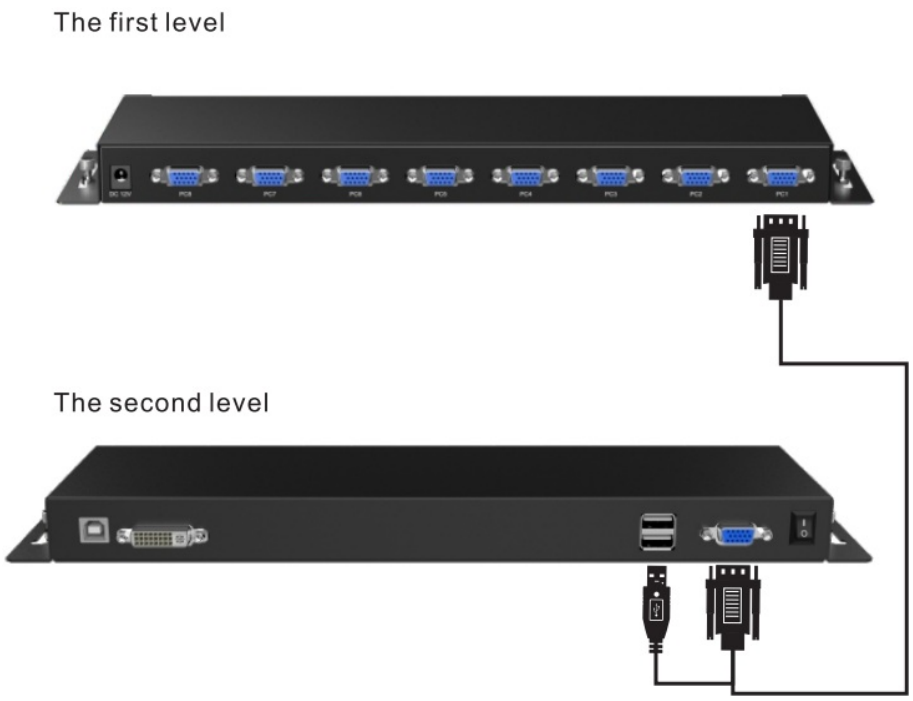
Please start PCs after all done.

After cascade, switch method: Panel button, OSD switching: press HOME+HOME+ enter or OSD button to activete OSD menu. You will see the picture on screen like figure 10:



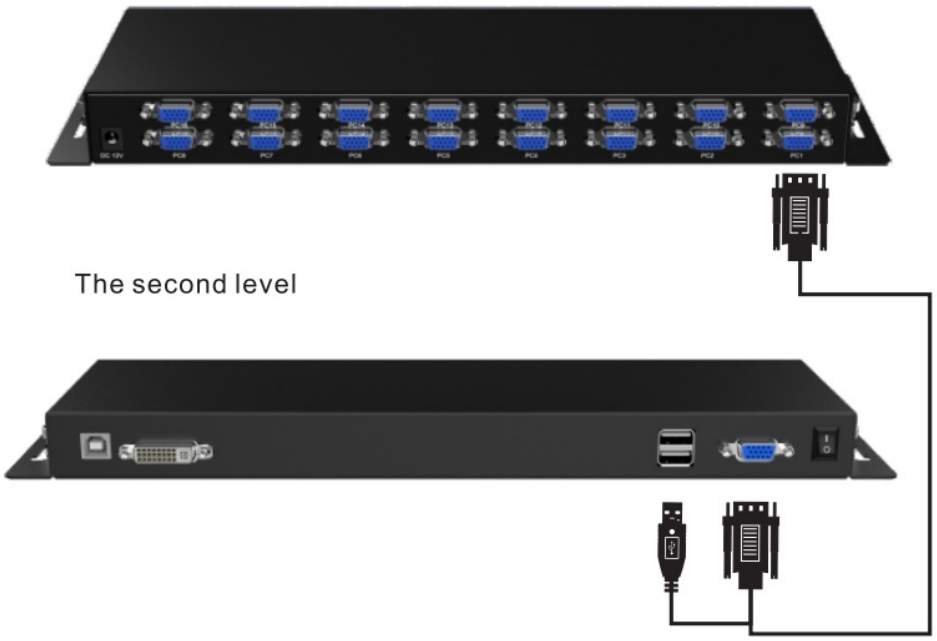
1. Connect output source, input source, cascade cable and keyboard, mouse.
2. Connect the power adapter after output source, input source, cascade cable connected to prevent the keyboard stuck phenomenon.
3. Please start PCs after all done.
4. After cascade, switch method: Panel button, OSD switching: press HOME+HOME+ enter to activete OSD menu. You will see the picture on screen like figure 10:

8 Port cascade diagram



Note: 8 Port connect up to 64PCS

16 Port cascade diagram



Note: 16 Port connect up to 256 PCS

Please note that the wiring connecting sequence, if reverse, may result in product burnout, the consequences.

Maintenance

In order to prolong the service life of the machine and reduce the unnecessary damage of KVM, Please pay attention to the following aspects

- Press the power on the LED screen, LED screen power indicator light turn red from green, indicating that the LED screen is turned off
- Close the LED panel to lock the current panel
- Push the control platform into the cabinet and tighten the side lock of the control platform panel when pushed in thoroughly

Package Content

No.	ITEMS	8 port	16 port
1	LCD KVM SWITCH	1	1
2	USB, KVM cables	8	16
3	INPUT: AC110-240V OUTPUT: DC12V	1	1
4	Bracket	2	2
5	User Manual	1	1
6	Screws	1	1
7	DVI cable(25+4) 70cm	1	1

IP control steps

Remote management:
Support LAN IP remote management and WAN IP remote management, Both IP (operator IP) remote management support WEB interface management.

A. Lan IP remote management:

Steps:

1. Set up and wire the IP KVM in the computer room and connect the IP KVM power adapter, and The connection of IP KVM and the physical network.
2. Configure the remote control computer in the 192.168.1.X network segment (note: IP KVM default IP is 92.168.1.101)
3. Input **http://192.168.1.101/** in a browser on a remote management computer, You can log on to IP KVM for remote administration (the details in the following)

B. IP remote Management of WAN

Steps:

1. Set up and wire the IP KVM in the computer room and connect the IP KVM power adapter, and The connection of IP KVM and the physical network.
2. Configure the port mapping of the root router where the remote management computer is located (Note: connects to the carrier of the root router). Port mapping method (different routers may be different, you can consult the router manufacturer how to configure.)
3. When customer in configuring port mapping, please note that our company IP KVM client port is 80, session Port is 7803.
4. Enter a mapped IP address on the remote management computer to login IP KVM goes to remote administration (the details in the following)

Login equipment

When the KVM switch starts, the local console appears the login picture. The device has a built-in administrator account, the user name is admin, initial password is 12345. After the first successful login to the device, you can modify the password or create account. After the device leaves the factory, the default IP address is 192.168.1.101. You can configure the network through the local console. Input the IP address in the browser. And then enter the correct user name and password, and click Login to access the device.

The current supported browse: IE7.0 and above version, Firefox, Opera, Maxthon, chrome, QQ browser, Safari, etc. After a successful login, the “Target device page opens by default. It lists all the ends port information, including target machine name (CIM naming), CIM type, online State and access hyperlinks.

Browser interface page composition

S/N	Component	Function description
1	Menu	Contains all the operation of device and subcatego ries of configuration, t he menu bar lists are determined by the user rights, which make sure wh en created user.
2	Navigation bar	Displays the path to the current page.
3	Write-off	Click this button to exit the user login.
4	Main panel	The main display ares shows the menu bar options you selected.

Documents / Resources

	MT-VIKI 1716UL-IP Modular LED Kvm Switch [pdf] User Manual MT-1708UL-IP, 1716UL-IP, 1716UL-IP Modular LED Kvm Switch, 1716UL-IP, Modular LED Kvm Switch, LED Kvm Switch, Kvm Switch, Switch

References

- User Manual