CAT5 LCD KVM Console (8 Port /16 Port/24 Port /32 Port) User Manual





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Overview

Description

The CAT5 LCD KVM console integrates multiple-port CAT5 KVM switches in a 1U height console. Multiple computers can be controlled from the single monitor-keyboard-mouse console.

There is no better way to save time and money than with a CAT5 console installation. By using the CAT5 console with its sliding console to manage your installation, you will gain below benefits: (1) eliminate the expense of purchasing separate keyboards, monitors and mice; (2) save all the space those extra components would take up; (3) save space that a keyboard, monitor and mouse would take with a standard KVM switch; (4) save on energy costs; and (5) eliminate the inconvenience and wasted effort involved in constantly having to move from on computer to another.

It is easy and fast to install the CAT5 KVM console; you just need to connect corresponding cables to the right ports of the CAT5 KVM and its module without software configuration.

CAT5 Console can connect multiple computers with RJ-45 connector and CAT5 connecting cables. Transmission distance is up to more than 150M, so it doesn't need a KVM extender.

Features

- 17" &19" LCD TFT monitor, high brightness, high resolution
- Metal 19" rack with 1U height
- Ultra slim 99 keys keyboard (PS/2) with small numeric keyboard
- High resolution and high flexibility with touchpad; with two function buttons and scroll wheel, standard PS/2 port

Switch Functions

- Access and control up to 8 /16/ 24/ 32 computes from a single PS/2 or USB KVM(keyboard, video and mouse) console
- Supports Multiple systems: Windows2000/XP/Vista, Linux, Mac and Sun
- Convenient computer switching via front panel pushbuttons, hotkeys, OSD menu or mouse
- Hot pluggable --add or remove computers without having to power down the switch
- Auto scan feature for monitoring user-selected computers
- Broadcast mode--operations simultaneously performed on all selected computers
- Keyboard and mouse emulation function.

Front View

1-1.1 front view

- 1. LCD Module
- 2. Rear Bracket Slot
- 3. OSD Controls
- 4. Front bracket
- 5. Keyboard

- 6. Touchpad
- 7. Handle
- 8. Release Catch
- 9. Display Panel
- 10. Switch LED



Structure and Size (19")





Hardware Installation Rack Mounting

A standard rack mounting kit is provided to mount the switch in a depth of 600-850 mm (17''), 700-820 mm (19'') in a standard 19" rack.

For other mounting distance, the rear brackets need to be customized accordingly With one person hold the switch in place and the other person slides the L bracket into the switch's side mounting brackets from the front to the back, then screws the brackets to the rack. (See below installation drawing)



1-2.2 rack mounting (2)

KVM Adapter

PS/2 KVM module



USB KVM module



Table1.3: Module LEDs

Components	Functions	
Power LED	Green light flashing	The module is power on
PowerLED	Green light is normally on	The module is connected to the KVM
LinkLED	Fast blinking	Communicating with the host
	Orange light is normally on	The module is selected by the KVM

Single Station Installation

1) Make sure the KVM console has connected to the ground.

2) Connect the adapter to the KVM and the host.

3) Connect any available KVM port and KVM adapter with CAT5 cables.

4) Plug the female port of the power cable in the KVM power socket, and plug the male port in the AC power port.



2-4 Install KVM components

Note: Connect external PS/2 keyboard, mouse and monitor according to the (5)step in 2-4.

Cascade Installation



2-5 cascade installation

Explanation:

- 1. Connect one port of the CAT5 cable to any RJ45 port of KVM, and connect the other port to the RJ45 port with "Chain in "of KVM.
- 2. Repeat above operation to cascade more KVM switches.

8 port: cascaded up to 8 KVM switches

16 port: cascaded up to 16 KVM switches

24 port: cascaded up to 24 KVM switches

32 port: cascaded up to 32 KVM switches

3. Connect host computers according to 2-4.

Operation

Release the release catch;





*Note: The release lock can only do horizontal locking, it can't bear any load.

- Pull the KVM console all the way out until it clicks into place;
- Rotate the LCD module all the way back to expose the LCD screen; the LCD module can be rotated up to 108°.





 The KVM makes two "beep" sounds after power on, an OSD window appears for you to input user name and password.

8 Port /16 Port: The orange LED and LED tube are flashing before you enter ____your password.

24 Port /32 Port: appears on LED tube without user name and password.

Enter	Name	and	Password	
UserNar	ne:			
Passwor	rd:			

2-1.5 password window

- LCD panel is powered on when the power LED is green.
- Power on the computer or server after power on the KVM. 8 Port /16 Port: The LED of the connected port is green. 24 Port /32 Port: There is no port LED.
 The factory default page word is black double click "Enter "to log

The factory default pass word is blank; double click "Enter "to log in.

Closing the console

- Close the LCD display panel and the power automatically shut down.
- Push the release catch in the direction of the arrow; pull the LCD panel all the way in until it automatically locks up.



2-1.6 unlocking the console

LED Operating Instructions



No.	Components	Function
1	1-8 or 1-16	1)Switching freely from port 1 to port 8 /16 2)Find more details about some special functions in <special function="" instructions<br="">about number keys></special>
2	Port Selection Buttons& LEDs	 Indicator LEDs are built into the switches, the online LED light is on the left and the selected LED light is on the right. 1) An online LED light (green) indicates that the KVM has connected to its corresponding computer and power on. 2) A selected LED light (orange) indicates that the computer attached to its corresponding port is up and running.
3	Station ID	Display the current port

Table 3-1.1 LED instructions

Number key special function:

ONLINE SELECTED						
	3 .☆	4	5+	6	7 └ SCAN -	8

- 1. Press [1] and [2] at the same time for three seconds resets the KVM.
- 2. Press [7] and [8] at the same time for three seconds enters the auto scan mode.
- 3. Press [3] for three seconds enters brightness adjusting mode.
 - 33 are flashing on the LED tube.
 - Then press 【5】, 【6】 to adjust.
 - Press [3] exits or waits for five seconds and it will auto-exit.
- 4. Press **[4]** for three seconds enters definition adjusting mode.
 - 44 are flashing on the LED tube.
 - Then press 【5】, 【6】 to adjust.
 - Press [4] exits or waits for five seconds and it will auto-exit.
- 5. Press **[5]** enters port selecting mode.
 - 55 are flashing on the LED tube.
 - Exits after select a port or wait for five seconds and it will auto-exit.
 - 6. Press [6] for three seconds will initialize the brightness and definition of each port.

32 Port KVM		
	ATx 1 2 3 4 5 6 7 8	KVM Drawer Transmit by CAT5
Station ID	9 0 Enter 🌣 0 🕂 —	

3.3 24Port /32 Port LED button front view

No.	Components	Explanation
1	0~9 +Enter	Switch to selected port. 8 Port: Press 8 and press Enter. 32 Port: Press 3 and 2, appears on LED, then press Enter.
2	- O - (+, -)	This button is used to adjust the brightness. Press , III is flashing on LED, then press +,- to adjust.
3	• (+, -)	This button is used to adjust the brightness Press O , II is flashing on LED, then press +, - to adjust.
4	Station ID	Station ID shows the current stage level of the daisy chain.

LED OSD Configuration



The LED OSD allows you to set up and configure the LED display.

Buttons	Functions
MENU SELECT	Press this button invokes the menu function and brings up the main menu.
EXIT/AUTO	Press this button exits the current menu and returns to the previous menu or presses this button exits the LED OSD. Press AUTO for automatic configuration.
SL-/SL+	Press this button moves your menu to make corresponding adjustment.
LED state	Green :running Red: power off or access nonstandard VESA signal Flash green: energy saving mode or no signal

Table 3-1.2 adjust the monitor

Press AUTO if the screen migrates after power on or under other circumstances, then the screen auto configure to its best display state.(It might can't be adjusted to its best state if part of the display mode is not standard VESA mode, if so return back to OSD menu to RESET, then it will back to normal.

We suggest our customers to set up the display mode at 1280x1024, refresh rate at 60Hz.

OSD Operation

Double click the right button of the mouse or double click hotkey [Scroll Lock] to invoke below OSD main menu. You can customize the OSD hotkeys; find more details in OSD function instructions.

ADMIN	ISTRATOR		
F1:AD	M F2:Scan	F3:Set	<u>F4:T00</u>
SN	-Ö- QV LK	Name	
	j Alfred Stades		
01	🔆 🖻	SYSTEM	0
02		SYSTEM	
03		SYSTEM	Bin george
04		SYSTEM	
05		SYSTEM	a produce 👘
06		SYSTEM	skali i posto 👘
07 门	[, 1	6	(19) (M. 19)
08		SYSTEM	1 1 1 1 1 1 7
Goto	SN01	Bar	nksum:02
	F6:Edit	F7:QV	FBILout
Tab +	Enter :R	eturn UF	pbank

Heading	Explanation
SN	Port numbers
	Chain in KVM
۲	On line
Ö.	System on
D*	Quick view
L	BRC Port
	Channel is only be seen
Name	Port name

To access the OSD menu through keyboard:

1.In the submenus that appears, moving the highlight bar to your selected port and then press Enter.

2.Press [Page Up] or [Page Down] quickly moves to next BANK

3. Press any key from [0-9] to enter any port of current station

To access the OSD menu through mouse:



*Note: Operate via keyboard after invoke the OSD menu via the touchpad.

OSD Functions

Menu	Keys	Submenu/Explanation		
ADM	F1	Set User login-Set User login account and password Set accessible-Set access permissions BRC Mode -monitor multiple computers at the same time Load Default-reset the menu to the original factory default settings		
Scan	F2	All-Lists all the ports on the installation Power On-lists only powered on ports that have attached computers. Quick View-Lists only the ports that have been selected as Quick View ports		
Set	F3	Auto Scan-set scanning time period Port ID-set how long a port displays on the monitor OSD Hotkey-set OSD hotkeys Lout Time off- to set the time out value		
Tool	F4	Reset RGB-Press Enter reset RGB Beeper [On] -press Enter switch Bee sounds Mouse Hot [On] -press Enter to close touchpad operating on OSD. Restore Values-press Enter restore the current user default value. About KVM- press Enter shows the KVM version		
Edit	F6	Edits port names		
QV	F7	Start or close Quick View		
Lout	F8	Log out/lock the KVM		
	Esc	Press this key exits OSD menu		
Exit	Scroll Lock	Press this key exits OSD menu		
	Num Lock	Press this key exits OSD menu		

Table 1.5

The display screen will be distorted if the CAT5 cable is too long, for this case, you can adjust according to below steps:

1. Press [+] and ADJ FOCUS will pop up, then press [+], [-] to adjust definition.

2. Press [,] and ADJ BRIGHT will pop up, then press [,], [.] to adjust brightness.

민민	Adj		📴 🗹 🖌 🔁	
	FOCUS	ወብ	BRIGHT	У

F1-ADM

ADMINISTRATOR		
F1:ADM F2:Scan	F3:Set	F4:T00
Set user Login	Name	
Set accessible		
BRC mode OFF	SYSTEM	
Load default	SYSTEM	
03	SYSTEM	
04	SYSTEM	
05	SYSTEM	
06	SYSTEM	
07	SYSTEM	
08	SYSTEM	ala da San 🕃
Coto SNO1	Bai	nksum:o
F6:Edit	F7:QV	F8:Lou
Tab + Enter :B		

Operating instructions

- Press [F1] or [←] [→] enters the F1 submenus.
- Press 【↑】【↓】 moves the highlight bar to select the submenu.
- 3) Press 【Enter】 selects and exits ADM menu.
- 4) Press [Esc] cancels the operation and exits ADM menu.

Menu Explanation

1. Set User Login—Press [Enter] selects Set User Login and a screen as below diagram 4-1.1 appears:

One administrator and four users account can be set (the account and the password are no more than 16 characters)



Diagram 4-1.1

Diagram 4-1.2

Note: You can set up an account and password according to diagram 4-1.2, then

"User setup ok" pops up showing that you have done your set," and if "Password Not Match "pops up, you need to type in your password again as you did in your first type. 2. Set Accessible—press [Enter] to select Set Accessible, then below menu appears: (diagram 4-1.3)

	ADMINISTRATOR
	F1:ADM F2:Scan F3:Set F4:Tool
	SN USR1 USR2 USR3 USR4
	01 [F][F][<
	F:FULL V:VIEW SPACE:NULL Pageup/DN:Select Banks
	Diagram 4-1.3
Menu	Explanation
FULL	Full access function to the station and can do a operation to the ports
VIEW	Read only function, you can only read the port b you can't operate it if set this function.

Note: The administrator always has full access to all the ports.

F1:ADM F2:Scan F3:Set F4:Tool			F2:50	can	F3:Set	F4:T00
SN USR1 USR2 USR3 USR4		SN		ĿК	Name	
01 [V][F][F][F]		01			SYSTEM	
02 [][F][F][F]		04			SYSTEM	
03 [][F][F][F]		05			SYSTEM	
04 [V][F][F][F]		06			SYSTEM	
05 [F][F][F][F]	\rightarrow	08			SYSTEM	
06 [V][F][F][F]		09			SYSTEM	
07 [][F][F][F]		10			SYSTEM	
08 [<mark>F</mark>][F][F][F]		11			SYSTEM	5
			5N(03	Bar	nksum:
FIFULL VIVIEW SPACEINULL					F7:0V	F8:LO
Pageup/DN:Select Banks		Tab +	Enter	1 B	eturn III	phank

Diagram 4-1.4

Diagram 4-1.5

- E.g.: 1) If you want to set access permission of [User1], press [Space] to select the permission options you need to set.
 - If you want to set access permission of cascade port, press [Page Down moves to next level, and the SN changes into Bank – Port(e.g.: 02-01), then press [Space] to select the permission options you need to set.
 - 3) [User1] log in OSD menu, below diagram 4-1.5.

3. BRC Mode Off - Press [Enter] to enter the BRC mode, enter the main menu, press **[F7]** to add or delete a port that need broadcast function. When BRC mode is effect, a speaker symbol appears in QV column. (See below diagrams). While BRC mode is in effect, we can synchronous operate multiple computer ports.

Note: While BRC mode is in effect, the mouse is forbidden to use.

ADMINISTRATOR	
F1:ADM F2:Scan	F3:Set F4:Tool
Set user Login	Name
Set accessible	
BRC mode ON	SYSTEM 🧕
Load default	SYSTEM
03	SYSTEM
04	SYSTEM
05	SYSTEM
06	SYSTEM
07	SYSTEM
08	SYSTEM 😨
Goto SNO1	BankSum:01
	F7:QV F8:Lout
Tab + Enter :R	eturn UPbank 👘
Diagram 4	4-1.6

ADMIN			
F1:ADM	M F2:Scan	F3:Set	F4:TOOI
SN	🔆 QV LK	Name	
01	∎(Ji)	SYSTEM	<mark>-</mark>
02	∎ (0)	SYSTEM	
03	•(t)	SYSTEM	and a second
04		SYSTEM	
05	■(0)	SYSTEM	
06		SYSTEM	
07		SYSTEM	ang tao ang sa
08		SYSTEM	- C
Goto	SN05	Bai	nksum:01
	F6:Edit		
Tab +	Enter IRe	et <mark>ur</mark> n Ul	Pbank
Г	Jiagram /	17	

agram 4-1.6

Diagram 4-1.

1) Open BRC mode

[F1] ->BRC Mode OFF-> [Enter] -->BRC Mode ON (diagram 4-1.6)

2) Open the port that need broadcast function

Press $\uparrow \ \downarrow \ key$ —>select the port that need broadcast function $\rightarrow \ F7 \ \rightarrow a$ speaker symbol appears in the QV column which shows the port has entered broadcast mode.

Close the broadcasting port

press $\uparrow I \downarrow$ key—>select the port \rightarrow (F7) \rightarrow exit BRC mode and the speaker symbol disappears

4) Exit BRC mode

Invoke OSD main menu → [F1]->BRC Mode ON -> [Enter] --> BRC Mode OFF, KVM exit BRC mode (diagram 4-1.8)



4. Load Default--- press [Enter] to select the submenu, all the set values are restoring to original factory default settings.

F2-Scan

 Menu Overview 	1
-----------------------------------	---

ADMINI	STRATOR		
F1:ADM	F2:Scan	F3:Set	F4:TOOI
SN	ALL	Name	
	Power O	n	
01	Quick V	IEWSTEM	🔼
02		SYSTEM	
03		SYSTEM	
04		SYSTEM	
05		SYSTEM	
06		SYSTEM	and the second second
07		SYSTEM	la de la composición
08		SYSTEM	0
Goto S	N05	Bai	nksum: 01
	F6:Edit	F7:QV	FB:Lout
Tab +	Enter IB	eturn U	Pbank

Operating instruction

- 1) Press [F2] or $[\leftarrow] [\rightarrow]$ enters the F2: submenu.
- Press 【↑】【↓】 moves the highlight bar to select the submenu.
- 3) Press [Enter] selects and exits Scan menu.
- 4) Press [Esc] cancels the operation and exits SCAN menu.

Submenu	Explanation
All	Use this function to scan all ports according to the set scanning interval.
Power On	Use this function to scan all signal ports with $\overleftarrow{\nabla}$ according to the set scanning interval.
Quick View	Use this function to scan all ports with Equick view symbols according to the set scanning interval.

Menu Explanation

F3-Set

Menu Overview

ADMINISTRATOR	
F1:ADM F2:Scan	F3:Set F4:Tool
SN 🔆 QV LK	Auto Scan
	Port ID
01	OSD HOTKey
02	Lout Time OFF
03	SYSTEM
04	SYSTEM
05	SYSTEM
06	SYSTEM
07	SYSTEM
08	SYSTEM 🕤
Goto SNO5	BankSum:01
	F7:QV F8:Lout
Tab + Enter :Re	eturn UPbank 👘

Operating instructions

- 1) Press [F3] or $[\leftarrow] [\rightarrow]$ enters the F3 submenus.
- Press 【↑】【↓】 moves the highlight bar to select the submenu.
- 3) Press [Enter] selects and exits Set menu.
- 4) Press [Esc] cancels the operation and exits Set menu.

Submenu	Default value		
Auto Scan	5S (effective range 5-99)		
Port ID	0S: not display the port ID 1-98S: display the seconds, maximum 98s 99S: permanent display		
OSD Hotkey	[Scroll Lock] + [Scroll Lock] [Caps Lock] + [Caps Lock] [F12] + [F12] [Ctrl] + [Ctrl] + [KVM Hotkey]		
Lout Time off	0: off 01-99M:set the screen saver timeout, it is automatically log out if the current operator is no longer operate for a while, then the KVM will be locked and you need to enter user name and password to operate again Enter Name and Password UserName : Password :		

Menu Explanation

OSD Hotkey Operation

Operating instruction

- Press [F3] and move the highlight bar with [↓] to select "OSD Hotkey" submenu. Press [Enter] and below screen appears:
- 2. KVM default hotkey: [Scroll Lock]

ADMINISTRATOR F1:ADM F2:Scan F3:Set F4:Tool Select OSD HOTKEY
<pre> Scrit Lock][Scrit Lock] [Caps][Caps] [F12][F12]</pre>
[ctrl][ctrl]+[KVM HotKey]
Tab + Enter :Return UPbank

2.Select the"[Ctrl][Ctrl]+[KVM Hotkey] " and press[Enter], and then the [Ctrl] hotkey is available in this hotkey mode, the mouse hotkey can't enter the OSD menu

Invoke hotkey: double click [L_Ctrl] + the corresponding function key

Function	Operating	Function description
Switching port	+2 number k eys	Eg.: switch to port 4 by hotkeys [L_Ctrl] + [L_Ctrl] + [0] + [4]
entering port	+ F1~ F8	Skip ports from 1-8
Invoke OSD main menu	+ "space "	This allows you to invoke OSD main menu (see OSD menu operation)

F4-Tool

Menu Overview

	INISTRATOR	
F1:6	ADM F2:Scan	F3:Set F4:Tool
SN	🔆 🔆 QV LK	Reset RCB
		Beeper [On]
01		Mouse Hot[On]
02		Restore Values
03		About KVM
04		SYSTEM
05		SYSTEM
06		SYSTEM
07		SYSTEM
08		SYSTEM 😨
Gote	SN05	Banksum:01
	F6:Edit	F7:QV FB:Lout
таb	+ Enter :Re	eturn UPbank 👘

Operating instructions

- 1) Press [F4] or $[\leftarrow] [\rightarrow]$ enters the F4 submenus.
- Press 【↑】【↓】 moves the highlight bar to select the submenu.
- 3) Press [Enter] selects and exits Tool menu.
- Press [Esc] cancels the operation and exits Tool menu.

Submenu	Instruction
Reset RGB	Restore the video signal to the default value.
Beeper 【On】	The beeper can be turned on or off with this function.
Mouse Hot【On】	To open and close the mouse with this function. We can't operate the OSD when it is 【Off】.
Restore Values	Restore to original factory default values.
About KVM	It shows the KVM version information.

Menu Explanation

F6-Edit port names

ADMIN	ISTRATOR		
FILADM		Falset	F4:T00
SN	🔆 QV LK	Name	
01		SYSTEM	3
02		SYSTEM	
03		SYSTEM	
04		SYSTEM	and the second
05		SYSTEM	
06		SYSTEM	
07		SYSTEM	
08		SYSTEM	- 1 - 1 - 1 🔽
NAME:	YSTEM	Bai	nkSum:01
	F6:Edit	F7:QV	FB:Lout
Tab +	Enter IR	eturn UI	Pbank

F7-Set Quick View port

ADMINISTRATOR					
F1:ADM F2:Scan			F3:Set	F4:T00	
.SN	÷ ¢	V LK	Name	· ·	
	· · · ·	i i en ser			
01		-	SYSTEM	<mark>-</mark>	
02	[⊒•	SYSTEM		
03			SYSTEM	1	
04			SYSTEM		
05			SYSTEM		
06			SYSTEM		
07			SYSTEM		
08			SYSTEM		
Coto SNO2 BankSum:01					
	F6:	Edit	F7:QV	FBILout	
Tab 4	Ente	r IR	et <mark>ur</mark> n UI	Pbank	

• Select the port with (\uparrow) (\downarrow) key;

 Press F6 and key in the new name or modify the old one, then press Enter to save the name and exit editing.

• Press [Esc] to cancel and exit the editing.

Note:

The NAME characters include: All alpha characters: A-Z All numeric characters: 0-9 Default value: SYSTEM

- Select ports with 【↑】【↓】keys;
- Press F7to include current port as Quick View, then an arrowhead appears in the QV column to indicate so;

Note:

Press F7 to cancel the QV symbol if the current port has already have a QV arrowhead symbol in its QV column; if you want to cancel all the QV function, press Restore Values under F4:Tool.(The port name restores to default setting at the same time.)

F8-LOUT

• Press [F8] exits the OSD main menu and fully exits current port, then the log in window appears:

Enter	Name	and	Password			
UserNar	ne:					
Password:						

• Users must log in all over again to regain access to the OSD.

Cascade Function

1. Operate the host computer under cascade



07 [][, 16

Shows that we have already connected an 8 port KVM to port 2(see diagram 4-1.5), we can connect 8 computers to the 8 port KVM. Press [Pa UP] to select port on current station, then press [Enter] to operate the port.

2. Return to OSD main menu



Note:

- 1. Press [Tab], then $02 \begin{bmatrix} 5 \\ 5 \\ 5 \end{bmatrix}$ in column SN changes into green, which indicates the port has been selected. Then press [Enter] to return to main menu to operate other ports.
- 2. Press [Pa DN] returns to the OSD main menu.

USB keyboard emulation

Mac keyboard

The PC compatible (101/104 keys) keyboard can emulate the functions of the Mac keyboard. The emulation mappings are listed in the below table:

PC Keyboard	MAC Keyboard
[Shift]	Shift
[Ctrl]	Ctrl
Ĥ	H
L_Win& "1"	*
L_Win& "2"	
L_Win& "3"	
L_Win& F12	C
[Alt]	Alt
[Print Screen]	F13
[Scroll Lock]	F14
	=
[Enter]	Return
[Backspace]	Delete
[Insert]	Help

Sun keyboard

The PC compatible (101/104 keys) keyboard can emulate the functions of the Sun keyboard when the control key [L_Win] is used in conjunction with other keys. The corresponding functions are shown in the below table:

PC Keyboard	Sun Keyboard
L_Win&L_Alt	Stop
L_Win&F4	Again
L_Win&L_Ctrl	Props
L_Win&F5	Undo
L_Win&F1	Front
L_Win&F6	Сору
L_Win&F2	Open
L_Win&F7	Paste
L_Win&F3	Find
L_Win&F8	Cut
L_Win&"1"	V_DN
L_Win&"2"	Mute (D-=)
L_Win&"3"	V_UP
L_Win&F12	Power C
L_Win&F11	Help
L_Win&L_Shift	Compose
B	•

Appendix Specifications (17″)

Model		8 Port	16 Port	24 Port	32 Port			
Computer	Direct	8	16	24	32			
connections	Max	256	512	768	1024			
Port emulation	Keyboard, mouse	PS/2, USB						
	LCD model	SXGA TFT						
	View area	17 "						
	Optimum resolution	1280×1024@60Hz						
LCD monitor	Display color	16.7 M	16.7 M					
	Brightness	250cd/m ² (Тур)					
	Contrast ratio	1000:1	Тур)					
	Pixel pitch(mm)	0.264(H) × 0.264(W)						
Maura	X/Y resolution	>1000 points / inch, (40 points/mm)						
Mouse	Touchpad	Eliminates the need for an external mouse						
Keyboard		99 keys (82 keys main keyboard +17 independent small number pad)						
Port selection		Front panel pushbuttons, hotkeys, OSD menu, mouse						
Input power		100V- 240Vac , 50-60Hz , <1.5A						
Power consumption	tion	19W	20W	21W	22W			
Operating tempe	erature	0 — 40 °C						
Store temperatu	re	-20 —60 °C						
Humidity		0~80% RH, non-condensing						
Net weight		13 kg 13 kg 13.2kg 13.2kg			13.2kg			
Product dimension (W \times D \times H)		448mm×581mm×42.5mm						
Package dimension (W \times D \times H)		765mm×615mm×185mm						
Optional power input		-36V~ -72V DC						

Specifications (19")

Model		8 Port	16 Port	24 Port	32 Port		
Computer connections	Direct	8	16	24	32		
	Max	256	512	768	1024		
Port emulation	Keyboard, mouse	PS/2, USB					
	LCD model	SXGA TFT					
	View area	19"					
	Optimum resolution	1280×1024@60Hz					
LCD monitor	Display color	16.7 M	16.7 M				
	Brightness	250cd/m ²	(Тур)				
	Contrast ratio	1000 : 1	(Тур)				
	Pixel pitch(mm)	0.294(H) × 0.294(W)					
Mauaa	X/Y resolution	>1000 points / inch, (40 points/mm)					
Mouse	Touchpad	Eliminates the need for an external mouse					
Keyboard		99 keys (82 keys main keyboard +17 independent small number pad)					
Port selection		Front panel pushbuttons, hotkeys, OSD menu, mouse					
Input power		100V- 240Vac , 50-60Hz , <1.5A					
Power consumpti	on	20W	21W	22W	23W		
Operating temper	ature	0 — 40 °C					
Store temperature		-20 —60 °C					
Humidity		0~80% RH, non-condensing					
Net weight		13.4kg	13.4kg	13.6kg	13.6kg		
Product dimension ($W \times D \times H$)		448mm×605mm×42.5mm					
Package dimension ($W \times D \times H$)		765mm*615mm*185mm					
Optional power input		-36V \sim -72V DC					