KVM SWITCH

(DC IC816I-OSD-MC)

(DC IC818I-OSD-MC)

USER MANUAL V1.0

DC IC816I-OSD-MC
DC IC818I-OSD-MC

Package Contents –

- 1 DC IC816I-OSD-MC or DC IC818I-OSD-MC KVM Switch
- 1 user manual
- 1 DC 9V 600mA power adapter
- 2 rack rails, 8 screws

Any thing missed, please contact with your vendor.

Features

- Controls PCs with one PS/2 keyboard, PS/2 mouse and monitor respectively
- Supports the standard PS/2 mouse, Microsoft IntelliMouse (PS/2 compatible/Optical/Explorer 3.0), WheelMouse Optical, Trackball (Optical 1.0/Explorer 1.0) & Logitech TrackMan (Marble/Marble FX/ Marble+), Cordless MouseMan (Wheel/Optical), Cordless TrackMan (FX/Live) mouse, Cordless Optical TrackMan, MX300 Optical mouse
- Fully supports the Microsoft IntelliPoint 5.0 mouse driver & Logitech Mouse Ware driver
- Supports the Windows 95/98/98SE/Me/NT4.0/2000/XP, DOS, Linux, Novell Netware, FreeBSD
- Superior video quality - Up to 1920 x 1440, DDC, DDC2, DDC2B, DDC2AB, 200MHz
- Supports selecting PC by mouse clicking
- Real mouse identification function
- 4 ways PC selection - Push Button Switch or mouse clicking or Hot Key or OSD
- Easy to install--No software required
- Hot Pluggable
- Integral keyboard and mouse emulation for PC booting error free
- Auto scan function to monitor PCs
- Auto skips over the power-off PC
- Beep sound and multi selection ways on/off option for port selection
- 1U rack design

Specifications

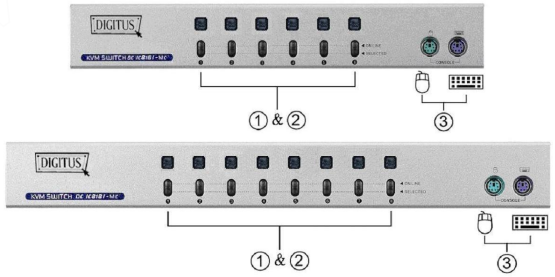
Function		DC IC816I-OSD-MC	DC IC818I-OSD-MC
PC Connectors		6	8
Port Selection		Push Button Switch / Mouse Clicking / Hot Key / OSD	
LEDs	On Line	6	8
	Selected	6	8
Emulation	Keyboard	PS/2	
	Mouse	PS/2	
Connector -Keyboard	Console Port	1x6 pin mini-DIN Female (PS/2)	
	CPU Port	6x6 pin mini-DIN Female (PS/2)	8x6 pin mini-DIN Female (PS/2)
Connector -Mouse	Console Port	1x6 pin mini-DIN Female (PS/2)	
	CPU Port	6x6 pin mini-DIN Female (PS/2)	8x6 pin mini-DIN Female (PS/2)
Connector -Monitor	Console Port	1x HD-15 Female (Std. VGA/SVGA)	
	CPU Port	6x HD-15 Male (Std. VGA/SVGA)	8x HD-15 Male (Std. VGA/SVGA)
VGA Resolution		1920x1440 (Max.), DDC, DDC2, DDC2B, DDC2AB, 200MHz	
Power Adapter		DC 9V 600mA (Min.)	
Scan Interval		5 sec ~ 30 sec	
Housing		Metal	
Weight		1190 g	1460 g
Dimensions (LxWxH)		269x104x45 mm	342x104x45 mm
Rack Mount Panel		2 pcs attached	2 pcs attached

Hardware Requirements

	Requirement specifications
Console	One highest resolution VGA, SVGA or Multisync monitor. One PS/2 mouse. One PS/2 keyboard.
PC	One VGA, SVGA or Multisync card. One 6-pin mini-DIN (PS/2) mouse port. One 6-pin mini-DIN (PS/2) keyboard port.
Cable	KVM Switch custom cables or equivalent.

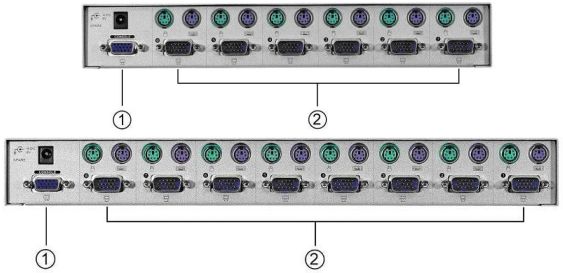
Appearance

Front View



1. Port Selection Switches (Manual type)
2. Port LEDs
3. Console Keyboard and Mouse Connector

Rear View



1. Console Monitor Connector
2. CPU Port Connectors

Installation

Before the installation, make sure the peripherals of all PCs are grounded properly and turned off.

1. Connect the monitor, keyboard and mouse with the Console Port Connectors.
2. Use the recommended extension cables to connect the PCs with the CPU Ports of KVM Switch.
3. Turn on the PCs.

Operation

1. The function of LED display

LED DISPLAY	DESCRIPTION
Light off	PC power off
Green light on	PC power on and connected
Green light on & Red light flashing	PC power on, connected and selected

Note:
It occurs occasionally that the green light of LED display is on and the red light of LED display keeps flashing after shutting down the PC because of the PC default. The condition will not affect the regular operation of KVM switch.

2. 4 ways for PC selection – Push-button switch or mouse clicking or hot key or OSD

2-1 Push-button switch (Manual Type)
Press the button on front panel to switch the CPU ports. The red light of LED indicates which PC is selected.

2-2 Mouse clicking

Operation	Function
[Middle button] + [Left Button]	Switch to the previous PC.
[Middle button] + [Right Button]	Switch to the next PC.

Note: 2-Key Mouse is NOT applicable.

2-3 Hot Key option
Hot Key Navigation allows you to select PC from the keyboard directly.
Options for Hot Key Navigation:

- Select PC by Hot Key
- OSD mode

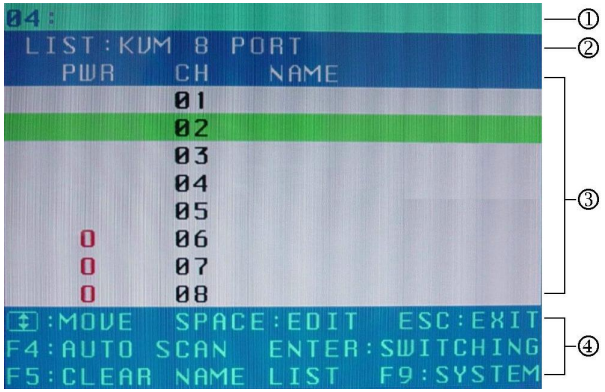
▪ **Select PC by Hot Key:**
Press either left or right [Ctrl] key twice.

Hot Key Operation	Function
[L Ctrl] + [L Ctrl]	Switch to the previous PC.
[R Ctrl] + [R Ctrl]	Switch to the next PC.

▪ **OSD Mode:**

Press the [Num Lock] key twice to access the OSD mode.

Switch Menu:



1. This field provides the information of the currently connected PC.
2. This field shows the list of the KVM 6 PORT or KVM 8 PORT.
3. This field shows the list of connections to the PC, and the fields are described below:

   PWR: It shows the status of power supply and indicates a normal power supply for the PC connected to the CPU port.
   CH: It shows the channel number; the DC IC816I-OSD-MC will display 01~06; the DC IC818I-OSD-MC will display 01~08.
   NAME: It shows the name of the equipment, and users can name the PC on their own. There are a total of 12 characters selected from the group of "A~Z", "0~9", "-", "+", " , ", " • ", ":".
   Selection BAR: It shows the selection bar (Green); you can use the ↑↓ keys on the board to move the selection bar, and the situated position indicates the selected target for giving instructions. For example, if the selection bar points at CH05 and you press Enter, then the system will switch to that particular PC or press the "Space BAR" to start editing the name.
4. Instruction Hint Field:
   ↑↓**:** Use the↑↓ keys to move the selection bar.
   SPACE: The "Space BAR" is used to start editing the name of the PC.
   ESC: Use the "Esc" key to exit the current option or exit OSD.
   F4: Use the F4 key to run Auto Scan, and you can set the residing time, channel display time and mode of the Auto Scan from System Setting.
   F9: Use the F9 key to enter into the System Setting Menu.
   F5: Use the F5 key to clear the values of all Name fields.

System Setting Menu:

Item	Description	Default	Other Selection
Channel Display Mode	For Port Switching, Auto Scan and OSD Close, the Monitor will show the Channel information and mode selection.	Full	Number, Name
Channel Display Time	It shows the time for displaying channel information.	5 Sec	10Sec, Always, None
Auto Scan Time	For Auto Scan, it shows the residing time for each port.	5 Sec	10Sec, 20Sec, 30Sec, 60Sec
Hot Key Switching	Turn on/off the "Ctrl" hot keys on the keyboard for switching computer functions.	ON	OFF
Mouse Clicking	Turn on/off the keys of the mouse for switching computer functions.	ON	OFF
Beeper Sound	Turn on/off the beeper sound function.	ON	OFF
Auto Skip	Set the auto skip function to on or off.	ON	OFF

F1: It provides the model name and F/W version information.
F4: You can use the Up, Down, Left or Right keys to move the OSD position.
F8: Restore the factory default settings. Please note that all name lists will be cleared and the system settings are set to the default settings as shown in the table above.
Esc: Exit the system setting and close the OSD. If you have made changes in this option, the system will ask whether or not you want to save the setting before the selected option is effective.
Auto Scan Mode: You can start the OSD first and press "F4" to enter the Auto Scan Mode. If you want to scan the PC, you can select the Auto Scan Time in the System Setting for the residing time. You can adjust the Channel Display Mode and Channel Display Time from the Channel Display mode. By then, all keys on the panel, keyboard and mouse are not operable. You can only use the ESC key to exit the Auto Scan Mode.

Troubleshooting

Making sure the cables are qualified and positioned.

Q1 : **The keyboard does not respond accurately.**
A1a: Re-install the keyboard. Unplug the keyboard from the Console Port and plug it back again.
A1b: Re-install the KVM Switch. Shut down the PCs, unplug the cables from the KVM Switch and wait for five seconds. Then plug the cables back and activate the PCs.
A1c: When under Auto Scan Mode, please press [Esc] key to escape.
A1d: Try another keyboard.

Q2 : **The mouse does not respond accurately.**
A2a: Re-install the mouse. Unplug the mouse from the Console Port and plug it back again.
A2b: Re-install the KVM Switch. Shut down the PCs, unplug the cables from the KVM Switch, and wait for five seconds. Then plug the cables back and activate the PCs.
A2c: Make sure the mouse is set on PS/2 mode.
A2d: Try another mouse.

Note: If you are using a particular mouse, we suggest installing the mouse driver from original manufacturer to reveal the functionality of KVM Switch.

Q3 : **The mouse is out of control.**
A3 : The characteristic of the mouse is inefficient. Try another superior mouse and plug it back again. Start the operation after hearing the beep sound.

Q4 : **There is the video problem.**
A4a: The setting of resolution or bandwidth is over high. KVM Switch supports the VGA, SVGA, Multisync and XGA (interlaced) with the resolution up to 1920 x 1440 Hz. The maximum bandwidth is 200 MHz.
A4b: The cable is unqualified. Please use the superior cables of KVM Switch cables series.

Q5 : **Why the green light of LED display is on and red light keeps flashing after shutting down the PC?**
A5 : The condition is normal and caused from the PC default. The condition will not affect the regular operation of KVM switch.

Trademarks:
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Safety Information:
This device may only be operated in enclosed, dry rooms. To prevent the risk of fire or electrical shock, the device must be protected from moisture. In the event of a defective power plug, please contact an authorized retailer. In the event of damage to the housing or the power plug, do not operate. Do not open the device. Repairs may only be performed by an authorized retailer.

Note:
In the event of incorrect installation and improper use in a residential area, the device may cause disruptions in radio devices and other electronic devices. Proper use means that the device is operated with shielded connector cables as far as possible, for network products also with shielded cables of category 5e and higher. The device was tested and lies within the limits for computer accessories of class A according to the requirements of EN 55022.

Warning:
This is a class A device. This device can cause radio interference in residential areas; in this case, the operator may be required to perform and bear the costs for appropriate measures.

Conformity Declaration:
The device fulfils the EMC requirements of EN 55022 class A for ITE and EN 55024. Devices with external or built-in power supply also fulfil the requirements of EN 61000-3-2 and EN 61000-3-3. The basic protection requirements of the "EMC Directive" 89/336/EEC are therefore fulfilled. The CE conformity has been certified. The corresponding declarations are available from the manufacturer.

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