Short Depth Widescreen LCD Console
(VGA / DVI / HDMI / DP)

User Manual

Overview

The LM1801 widescreen LCD console is a short depth LCD console featuring an integrated 18.5" widescreen LCD monitor with keyboard and touchpad. The LM1801 supports four types of video input – VGA, DVI, HDMI and DP. 18.5" LCD screen supports Full HD resolution of 1920 x 1080 @ 60Hz. For added convenience, users can choose to manage the connected computer from an external console. Ports for USB keyboard / mouse and VGA, DVI and DP monitor are provided on the rear panel. The LM1801 also features three USB2.0 port (one on the unit's front panel and two on the rear panel) for external USB keyboard / mouse or other USB peripherals.

Product Features

● 18.5" LCD Monitor, keyboard and touchpad in a 1U compact design
● Resolution is up to 1920 x 1080@60Hz
● Short-depth design
● Ultra-slim keyboard with 99 keys and numeric keypad
● Standard PS/2 emulation
● Automatically lock up with the front panel lock latch
● Compact steel construction and high quality hand-protection sliding rails
● Supports four types of video input – HDMI / DVI / VGA / DP
● Supports an external console with USB2.0 / DP / VGA / DVI connectors
● Audio support for connecting speakers
● Additional hot-pluggable USB port on front panel for keyboard and mouse (also functions as a USB peripheral port)
● No software required
● Firmware upgradable
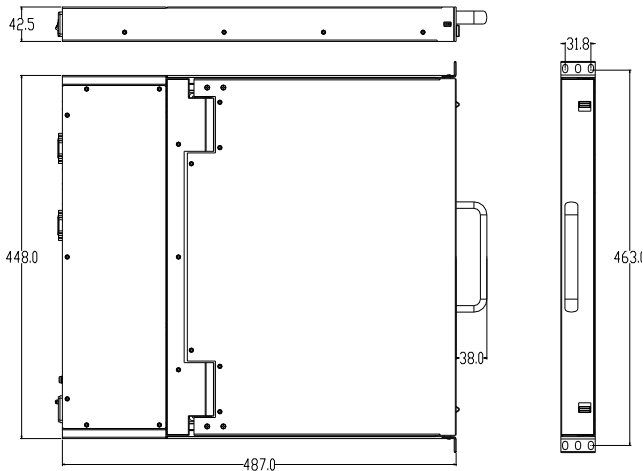● Hot pluggable - add or remove computers without having to power down the switch

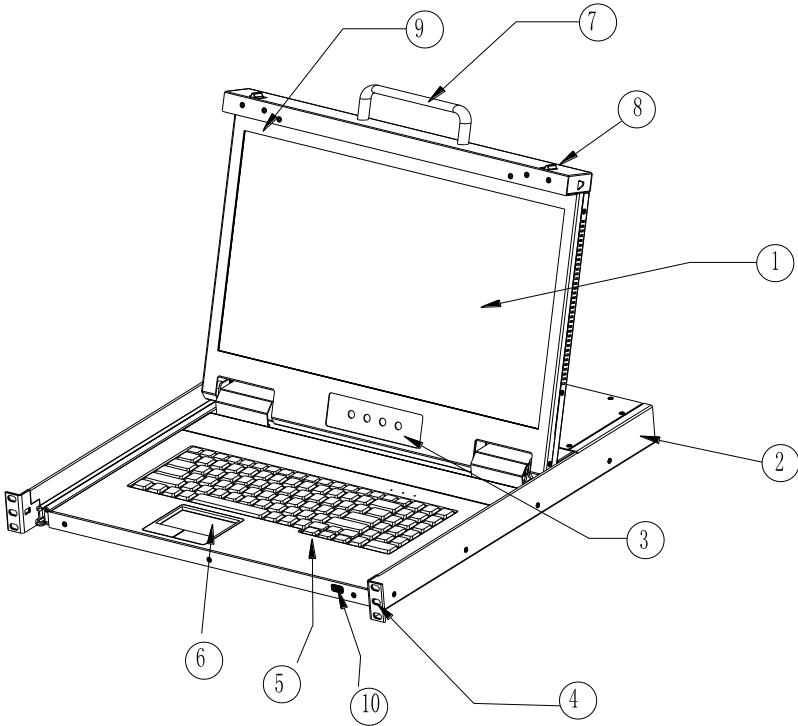**Appearance**

Figure1-1 Appearance

Front View

Figure 1-2 Front View

1	LCD Monitor	6	Touchpad
2	Rear Bracket Slot	7	Handle
3	Display Menu Buttons	8	Release Switch
4	Mounting Bracket	9	Display Panel
5	Keyboard	10	USB2.0

Rear View

Figure1-3 Rear View

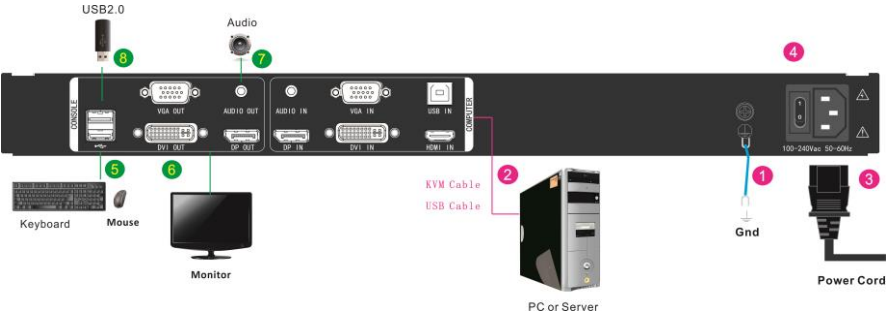| No.	Function		Description
1	CONSOLE	VGA OUT	Connect to VGA monitor.
		DVI OUT	Connect to DVI monitor.
		DP OUT	Connect to DP monitor.
		AUDIO OUT	Connect to audio device.
		⟵⟶	Connect to USB keyboard, mouse or other USB2.0 peripherals.
2	COMPUTER	AUDIO IN	Connect to the audio interface of the computer.
		VGA IN	Connect to the VGA port of the computer.
		USB IN	Connect to the USB port of the computer.
		DP IN	Connect to the DP port of the computer.
		DVI IN	Connect to the DVI port of the computer.
		HDMI IN	Connect to the HDMI port of the computer.
3	⏚		Ground connection
4	100V-240Vac		Power Input

Connection Diagram

Figure 1-4 Connection Diagram

Connection requirements of external monitor (See number ⑥ from above diagram).

No.	Computer(IN)	Console（OUT）
1	VGA	VGA , DVI
2	DVI	DVI
3	HDMI	DVI
4	DP	DP , DVI

Optional Cables

No.	Cable	Model No.	Length	Remarks
1	USB Cable	CU-1500	1.5 M	Included in the package
2	KVM Cable-DVI	DV-1500	1.5 M	Included in the package
3	KVM Cable -VGA	KA-1500	1.5 M	Optional
4	KVM Cable -DP	DP-1500	1.5 M	Optional
5	KVM Cable -HDMI	HD-1500	1.5 M	Optional
6	Audio Cable	AU-1500	1.5 M	Optional

Open the console
- ● Power on the KVM after connecting cables.
- ● Power on the server or PC after power on the KVM.
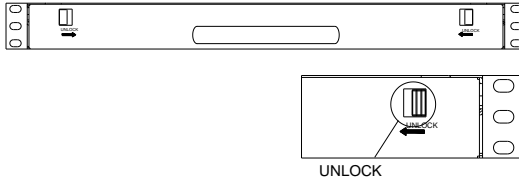- ● Release the release catch.

Figure 2-1 Unlocking the Console

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

- ● Pull the KVM console all the way out and the slide rail automatically locked to its place.
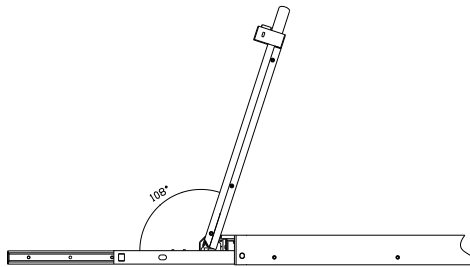- ● Open the LCD panel; the LCD module can be rotated up to 108°.

Figure 2-2 Open angel of the console

Close the Console
- ● Close the console and the power automatically shut down.
- ● Push the release catch in the direction of the arrow, push the LCD panel all the way in until it automatically lock up.
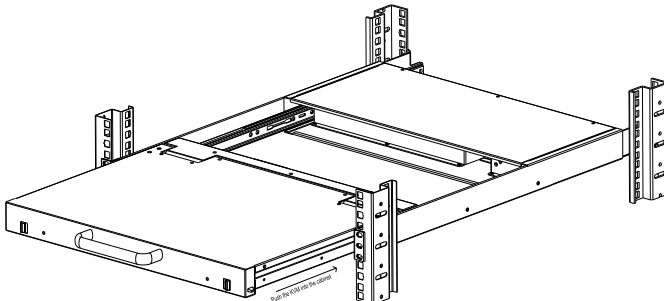

Figure 2-3 close the console

OSD Controls

Figure 3-1 OSD controls

Buttons	Functions
MENU SELECT	Press this button invokes the menu function and brings up the main menu.
EXIT/AUTO	Press EXIT exits the current menu and returns to the previous menu or presses this button exits the LED OSD. Press AUTO for automatic configuration (This function is only effect when the video input source is VGA).
SL-/SL+	Press this button moves your menu to make corresponding adjustment
LED Status	Green :running Red :power off Flash green: energy saving mode or no signal

Table 2: OSD controls instructions

Press AUTO when 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.

Specifications

Model No.		LM1801
Computer Connections	Direct connections	1
	Max connections	1
Port emulation	Keyboard, mouse	PS/2，USB
LCD monitor	LCD model	FHD TFT
	View area	18.47"
	Optimum resolution	1920×1080@60Hz
	Display color	16.7 M
	Brightness	500cd/m² （Ｔｙｐ）
	Contrast ratio	1000：1 （Ｔｙｐ）
	Pixel pitch(mm)	0.213(H) × 0.213(W)
Mouse	X/Y resolution	>1000 points / inch,(40 points/mm)
	Scroll wheel	Support scroll wheel function
Keyboard		99 keys (82 keys main keyboard +17 independent small numeric keyboard)
Power Input		100V-240Vac , 50-60Hz , <1.5A
Video Signal Input Priority		VGA ＞ DVI ＞ HDMI ＞ DP
Power consumption		18W
Operating temperature		0～40 ℃
Store temperature		-20～60 ℃
Humidity		0~80% RH, non-condensing
Mounting distance		480-495mm（L=62mm) 600-615mm（L=183mm) Mounting bracket can be customized for other mounting distance
N.W.		11kg
Product Dimension (W x D x H)		448mm×487mm×42.5mm
Package Dimension (W x D x H)		765mm×615mm×185mm
Optional power input		-36V— -72Vdc