LCD1U15-15-N

LCD1U15-15-N-48DC

LCD/Keyboard/Mouse All In one
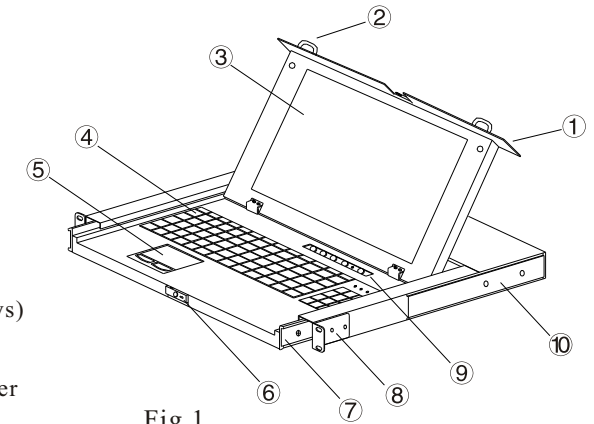
User's manual

Table of Contents

> ⚠ **Warning:**
> 1. Read this guide thoroughly and carefully before of use
> 2. Power off your computer before any installation/ un-installation.
> 3. Must be pull out the console before opening front panel for use

1. Function and Information

1.1 Product Overview

1.1.1 Front View(see fig.1)

1. front panel
2. handle
3. LCD display
4. keyboard(88keys)
5. touch-pad
6. front panel locker
7. guide rail
8. front brackets
9. OSD control button(see LCD OSD function list)
10. rear slide way

Fig.1

LCD OSD function list

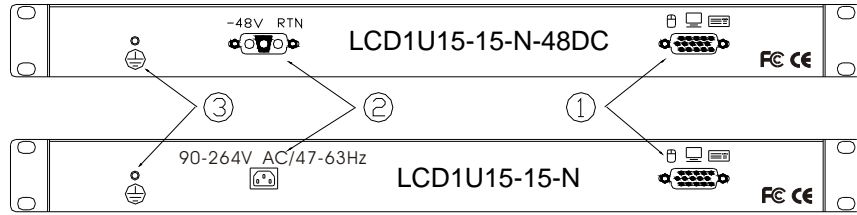| Items	Description
LCD POWER	Turn on and off the monitor power
MENU SELECT	Calls OSD menu and select the function to be adjusted
EXIT	Exit from the OSD function or Back to previous menu.
SL-/SL+	Moves the selector left and right on the OSD menu
LED(indicates the status of monitor)	Green: normal; Black: off, Red: power saving mode or disconnection of signal cable

1.1.2 Rear View(see fig.2)

Fig.2

1. console por

2. power socket

3. Gnd ⏚

1.2 Product Features

* The console is integrated with 15"LCD/keyboard,/touch-pad In 1U

* Rack mountable in 19"system rack,1U high

* 15"LCD TFT Flat Panel Display, high contrast, high brightness, high resolution

* Support PS/2 thinness Keyboard with 105keys(88+17)

* Support PS/2 Touch-Pad

* Front panel lock/ unlock

* Guide rail automatically lock and unlock

* KVM power switch automatically on/off

1.3 Product Specification

LCD1U15-15-n/LCD1U15-15-n-4 DC Specifications

Item	Specification		Note
LCD TFT Display	Display area	304.1(H)×228.1(V)	15" TFT LCD
	Display colors	16.7M (true)	
	Number of pixels	1024×768	
	Typical white	250 nit (typ)	
	Luminance	8mA	
	Contrast ratio	400：1	
	Pixel pitch	0.297×0.297(mm)	
	Power Consumption	20w (power on)	＜3w (stand by)
	MTBF	LCD＞50,000hrs,backlight ＞30,000hrs	
Key Board	Key number	105 Keys(88+17)	
	Interface	PS/2	
	Keystroke life	10 million	
	O/S support	Microsoft Windows 9x/me/NT/2000/XP	
Touch Pad (with 2 button)	x/y position resolution	>1,000 points/inch(40points/mm)	
	Interface	PS/2	
	O/S support	Microsoft Windows 9x/me/NT/2000/XP	
	Rated life	＞1 million uses	
Power Supply	Input Voltage DC	-48V DC/12V DC/36W	LCD1U15-15-N-48DC
	Input voltage DC	90~264V AC/12V DC/48W	LCD1U15-15-N
		47Hz ~ 63Hz	
	MTPF	＞100,000hrs(25℃)	
Enclosure	Steel or Aluminium		
Color	Black or optional		
Net Weight	12 kg		
Dimensions	448 × 420 × 42 mm(W×D×H)		
Shipping weight	13.5 kg		
Shipping size	608×672×143 mm（W×D×H）		
Rack mounting depth range	400mm~810 mm	with rear brackets	
Temperature angle	0~50℃(Operating)	-20~60℃(Storage)	

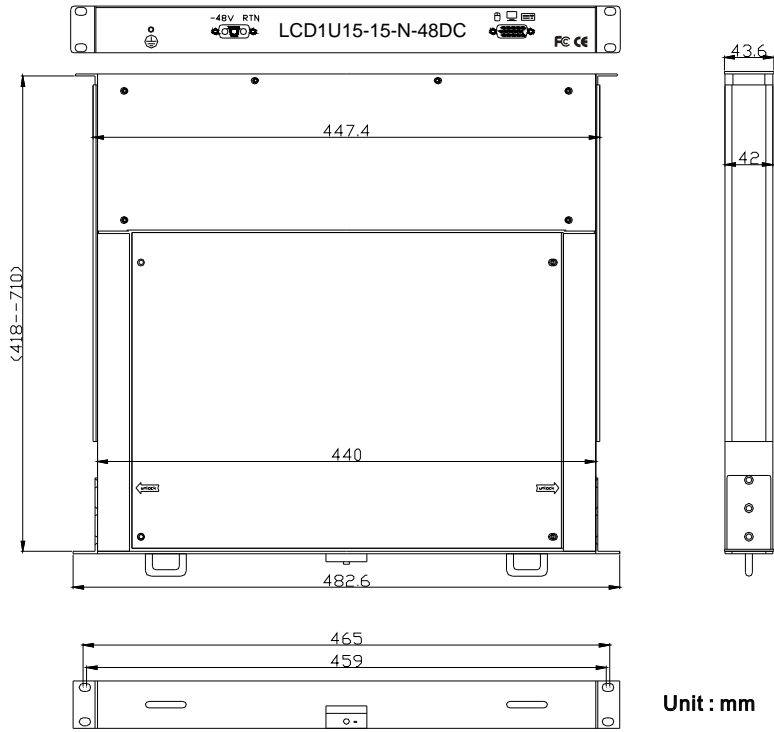## 1.4 Mechanical Dimensions (see fig.3)

Unit : mm

Fig.3

2. Installation

2.1 Rack Mounting

The LCD1U15-15-N/LCD1U15-15-N-48DC is meet for rack mounting in a 19" system rack. Push it into the rack from front to rear for installation .then insert therear mounting brackets into the slide way and secure the unit to the rack with the frontand rear brackets, finally screw the front and rear brackets. Rackmounting depth rangeis from 400mm to 810mm(see fig.4)
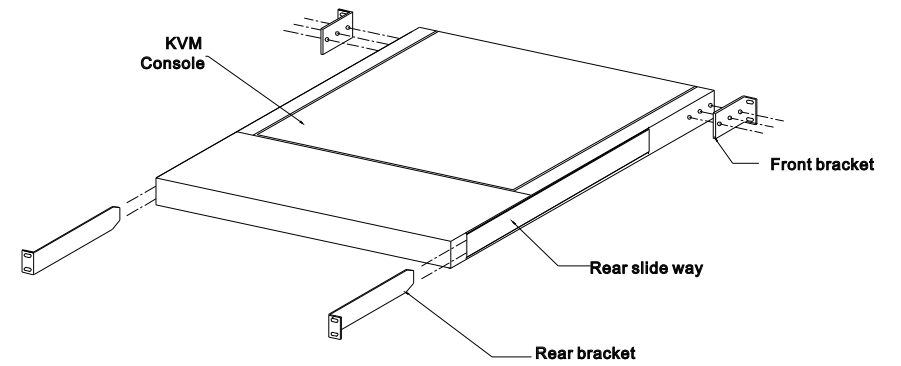

Fig.4

2.2. Cable Connection

KVM CABEL

The KVM cable with HD-15m connector plugs in the console port. The KVM cable with VGA/KB/Mouse connectors links to computer or KVM switch. (See fig.5)
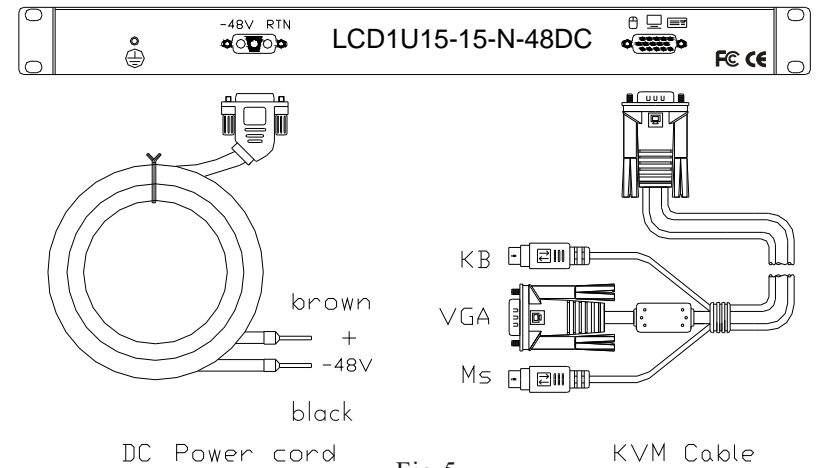

Fig.5

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Power Cord

* The DC power cord(for LCD1U15-15-N-48DC) with 3V3 connector plugs in power socket . Very carefully to connect -48VDC source ,The power cord with black pin is connected to -48VDC in ,brown pin is connected to + .(see fig.5)

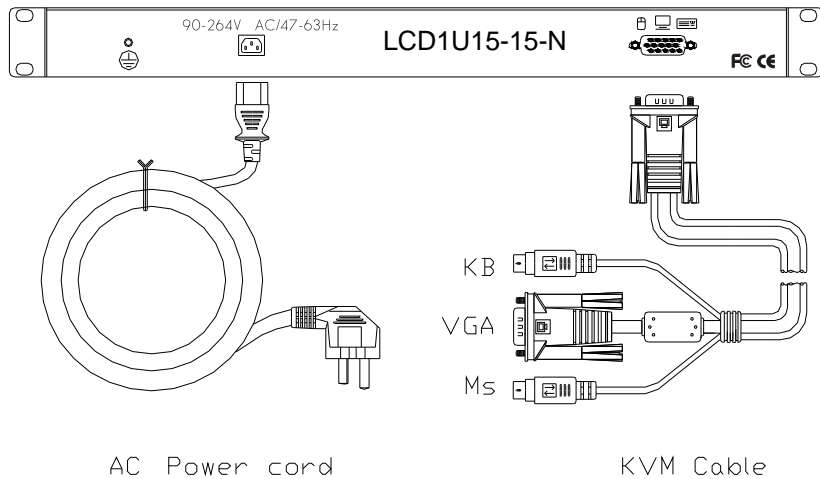* The AC power cord (for LCD1U15-15-N) plugs in power socket see fig.6

90-264V AC/47-63Hz
LCD1U15-15-N

AC Power cord   KVM Cable

KB

VGA

Ms

Fig.6

3. Operation

Before of use :

* Make sure that all devices on the installation are properly grounded.

* Make sure that the KVM cable and power cord should be connected correctly

In use:

* First pull LCD1U15-15-N/LCD1U15-15-N-48DC front panel module out and the slide rail is locked automatically; Power is on;
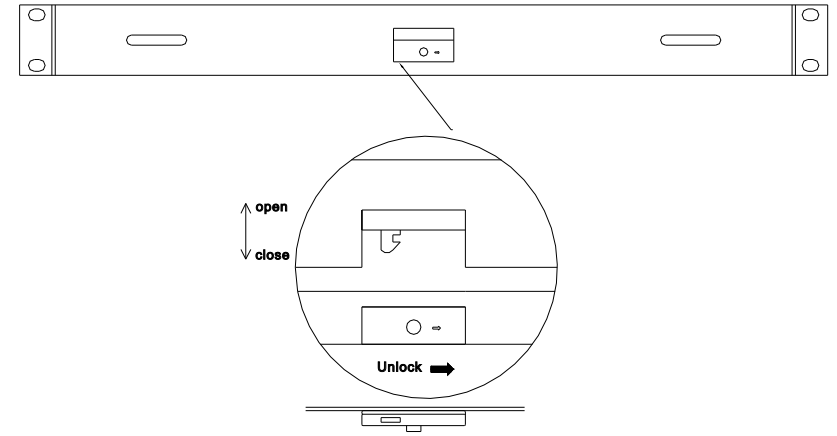
* Release the front panel locker;(see fig.7)

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open
close
Unlock ➡

Fig.7

* After sliding the KVM module out and unlock ,flip up the LCD panel for use LCD monitor ,keyboard and touch-pad

* The panel can be Open to 120° for use;(see fig.8)

* Touch down the LCD POWER key(Red),the LCD power is on, the LED is green.

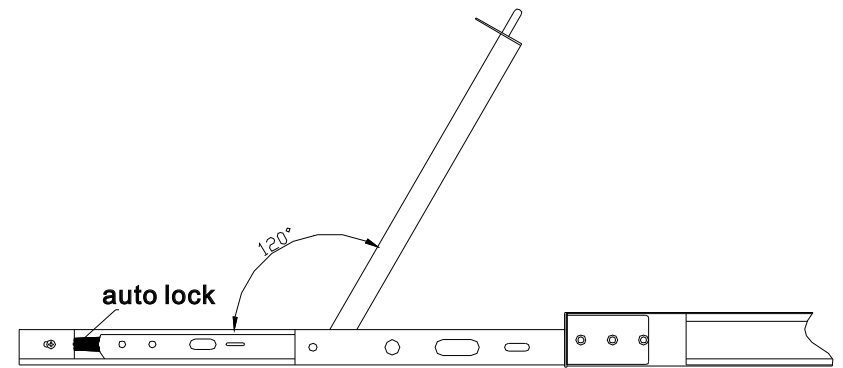120°

auto lock

unlock

Fig.8

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After use:

* First turn off the LCD power button in OSD control panel

* Close down and lock the front panel

* Release the guide rail lock (see fig.8)

* Push Front panel module in properly ,the power is off automatically

4. Safety and Environment

Operating Environment

Item	Long term	Short term
Operating temperature	0~ 40℃	0~ 50℃
Relative humidity	5%~90%	5%~95%

Safety approval : FCC ,CE,UL approved

5. Packing List
This package contains:

Item	Description	Quantity	Note
1	Console	1	
2	KVM Connector cable	1 X 2.2M(L)	
3	DC Power Cord	1 X 2.2M(L)	**For LCD1U15-15-N-48DC**
4	AC Power Cord	1 X 2.2M(L)	**For LCD1U15-15-N**
5		1 pair	front brackets
6	Rack Mounting Kit	1 pair	Rear brackets(S)
7		1 pair	Rear brackets(L)
8	User Manua	1	