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User Manual

LCDK1002

1U Keyboard Drawer

Options :
- Full Range Combo KVM

Legal Information

First English printing, January 2023

Information in this document has been carefully checked for accuracy; however, no guarantee is given to the correctness of the contents. The information in this document is subject to change without notice. We are not liable for any injury or loss that results from the use of this equipment.

Safety Instructions
Please read all of these instructions carefully before you use the device. Save this manual for future reference.

■ Unplug equipment before cleaning. Don't use liquid or spray detergent; use a moist cloth.

■ Keep equipment away from excessive humidity and heat. Preferably, keep it in an air-conditioned environment with temperatures not exceeding 40⁰ Celsius (104⁰ Fahrenheit).

■ When installing, place the equipment on a sturdy, level surface to prevent it from accidentally falling and causing dam age to other equipment or injury to persons nearby.

■ When the equipment is in an open position, do not cover, block or in any way obstruct the gap between it and the power supply. Proper air convection is necessary to keep it from overheating.

■ Arrange the equipment's power cord in such a way that others won't trip or fall over it.

■ If you are using a power cord that didn't ship with the equipment, ensure that it is rated for the voltage and current labeled on the equipment's electrical ratings label. The voltage rating on the cord should be higher than the one listed on the equipment's ratings label.

■ Observe all precautions and warnings attached to the equipment.

■ If you don't intend on using the equipment for a long time, disconnect it from the power outlet to prevent being dam aged by transient over-voltage.

■ Keep all liquids away from the equipment to minimize the risk of accidental spillage. Liquid spilled on to the power supply or on other hardware may cause damage, fire or electrical shock.

■ Only qualified service personnel should open the chassis. Opening it yourself could damage the equipment and invali date its warranty.

■ If any part of the equipment becomes damaged or stops functioning, have it checked by qualified service personnel.

What the warranty does not cover

■ Any product, on which the serial number has been defaced, modified or removed.

■ Damage, deterioration or malfunction resulting from:
  □ Accident, misuse, neglect, fire, water, lightning, or other acts of nature, unauthorized product modification, or failure to follow instructions supplied with the product.
  □ Repair or attempted repair by anyone not authorized by us.
  □ Any damage of the product due to shipment.
  □ Removal or installation of the product.
  □ Causes external to the product, such as electric power fluctuation or failure.
  □ Use of supplies or parts not meeting our specifications.
  □ Normal wear and tear.
  □ Any other causes which does not relate to a product defect.

■ Removal, installation, and set-up service charges.

Regulatory Notices Federal Communications Commission (FCC)

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential instal-lation.

Any changes or modifications made to this equipment may void the user's authority to operate this equipment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

■ Re-position or relocate the receiving antenna.

■ Increase the separation between the equipment and receiver.

■ Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

Contents

Before Installation

■ It is very important to mount the equipment in a suitable cabinet or on a stable surface.

■ Make sure the place has a good ventilation, is out of direct sunlight, away from sources of excessive dust, dirt, heat, water, moisture and vibration.

Unpacking

The equipment comes with the standard parts shown in package content. Check and make sure they are included and in good condition. If anything is missing, or damaged, contact the supplier immediately.

< Part 1 > LCDK1002
< 1.1 > Package Content

LCDK1002 unit X 1

- M6 screw, cage nut & cup washer X 8

⚠️

The above package content varies with KVM options.

< 1.2 > Structure Diagram

① Installation Slides
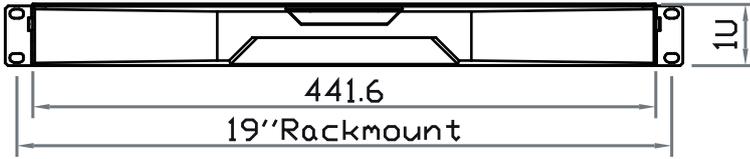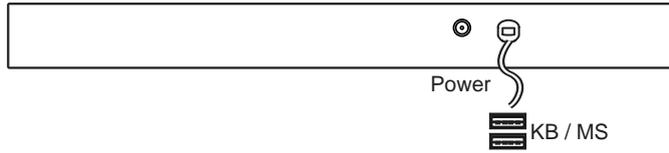
② 104-key keyboard

③ Mouse interchangeable module kit

④ Carry handle to release the 2-pt lock

< 1.2 > Dimension

Front View

441.6

19''Rackmount

1U

Rear View

Power

KB / MS

UNIT : mm
1mm = 0.03937 inch

Side View

600

1U

Top View

441.6

600
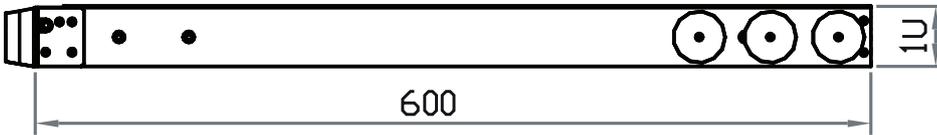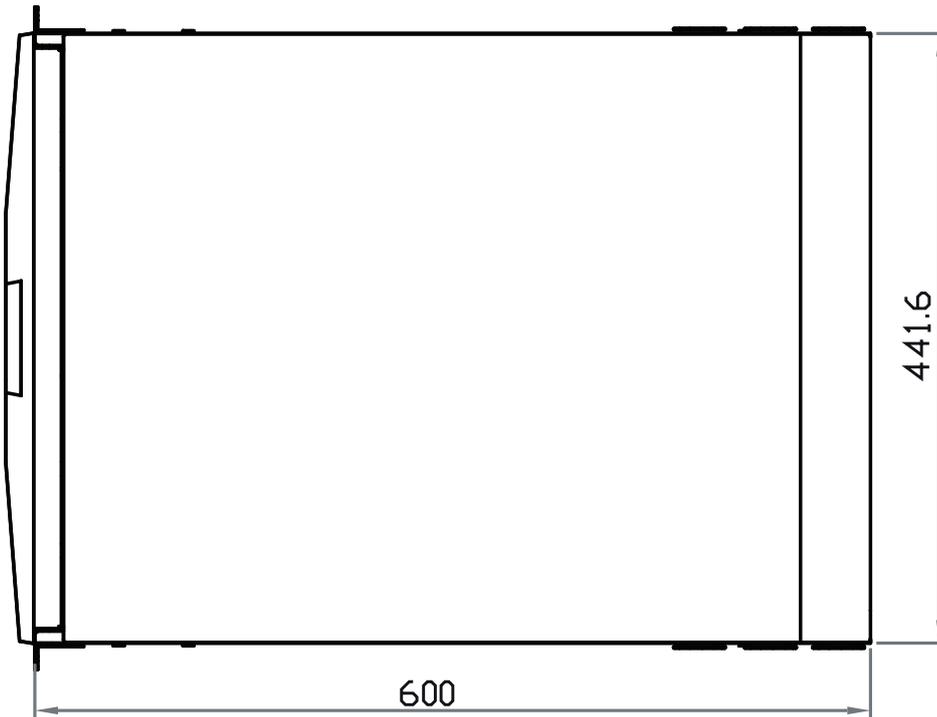
| Model	Product Dimension (W x D x H)	Net Weight
LCDK1002	442 x 600 x 44 mm 17.4 x 23.6 x 1.73 inch	10.9 kg 24 lb

* All dimensions stated are subject to change if options are selected / integrated to base model part codes

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# < 1.3 > Installation - How to install Installation Slides
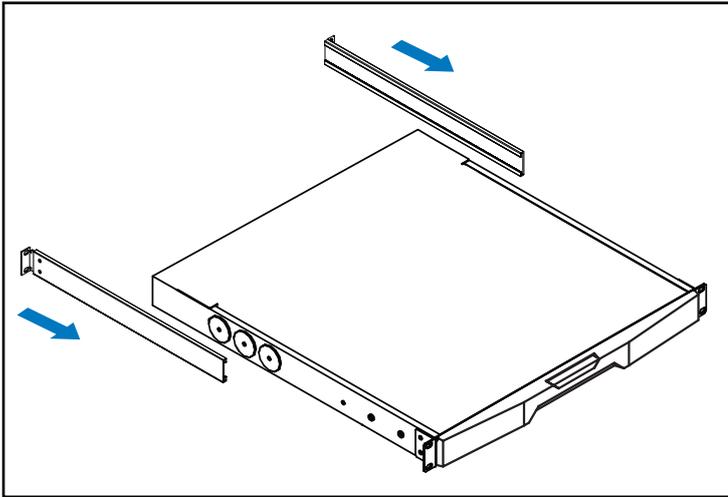
Step **1**

■ Insert the left and right rear mounting bracket into the keyboard drawer.
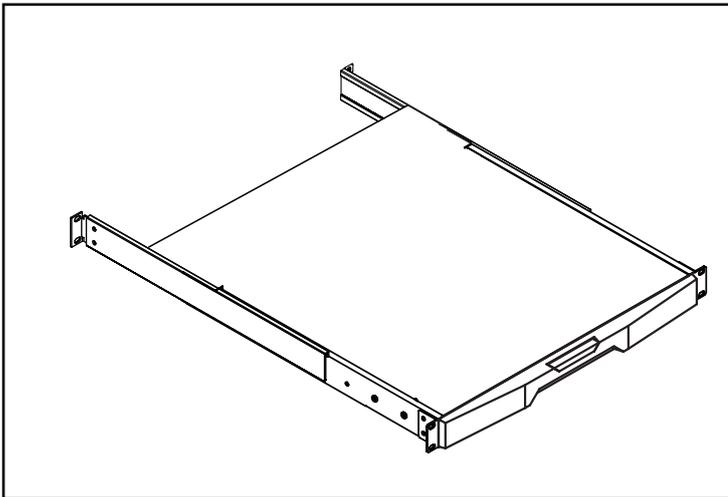
Step **2**

■ Measure the depth of the front and rear mounting rails.

■ Align each rear mounting bracket to a suitable length.
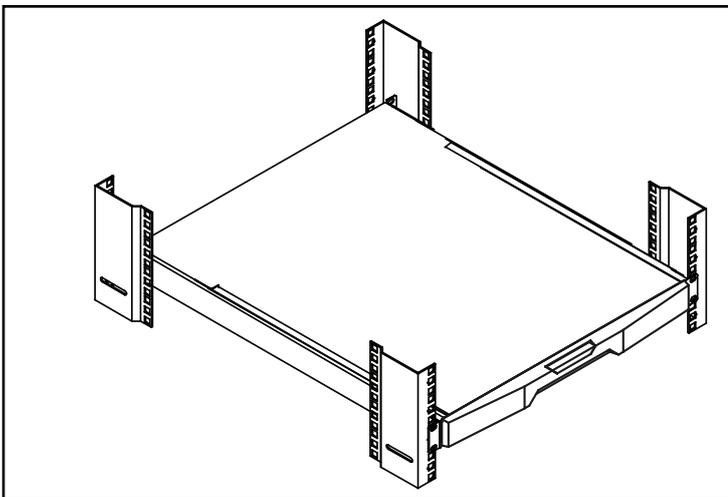
Step **3**

Complete the installation

■ Fix the keyboard drawer into the rack.

⚠ **M6 screw, cage nut & cup washer x 8 are provided.**

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< 1.4 > Connection to USB Server

Keyboard Drawer

attached 2-in-1 K/B cable

USB server

USB
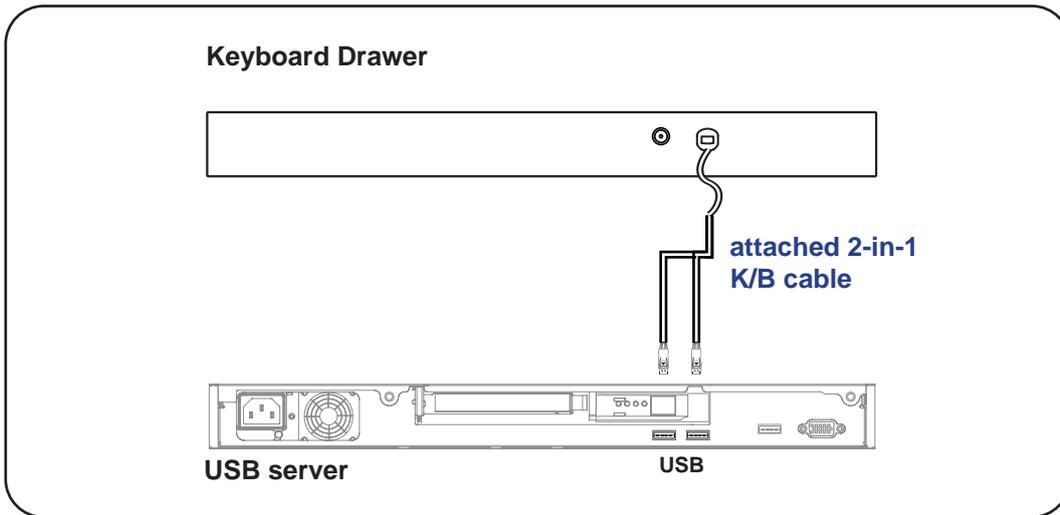
< 1.4 > Connection to external KVM

Keyboard Drawer

attached 2-in-1 K/B cable

USB console KVM
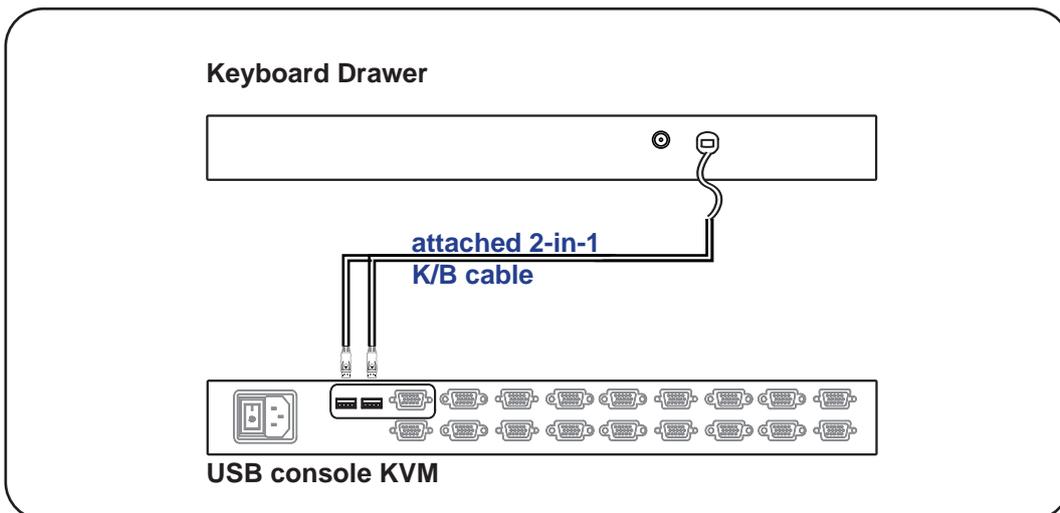
Caution : The keyboard drawer is hot-pluggable, but components of connected devices, such as the servers and KVM switch, may not be hot-pluggable. Plugging and unplugging cables while servers and KVM are powered on may cause irreversible damage to the servers, KVM and keyboard drawer. Before attempting to connect anything to the keyboard drawer, we suggest turning off the power to all devices. Apply power to connected devices again only after the keyboard drawer is receiving power. The company is not responsible for damage caused in this way.

< Part 2 > Specifications
< 2.1 > Standard Keyboard / Mouse Specifications

N keyboard integrated with touchpad
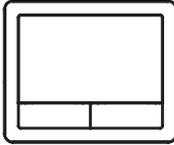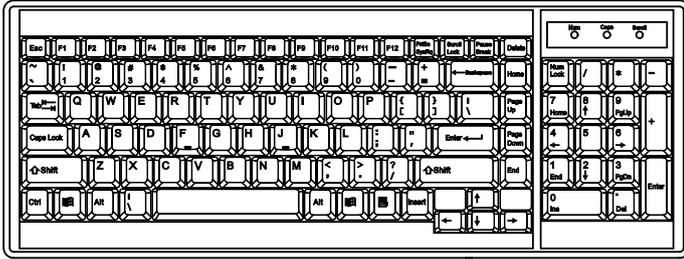
B keyboard integrated with trackball
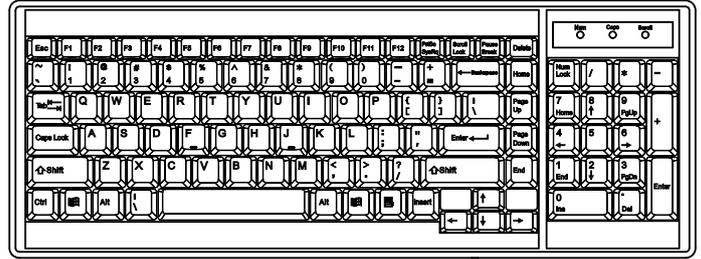
| Key force	55 ± 5g
Travelling distance	3 ± 0.3mm
Switch life	> 10 million life cycle time
OS support	Windows / Linux / Unix / Mac OS

Supporting layouts

America	United States

EMEA	United Kingdom	Germany	France	Russia	Spain	Italy

Asia	Japan	Korea

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< 2.1 > MAC Keyboard / Mouse Options

Mn MAC keyboard integrated with touchpad
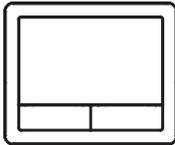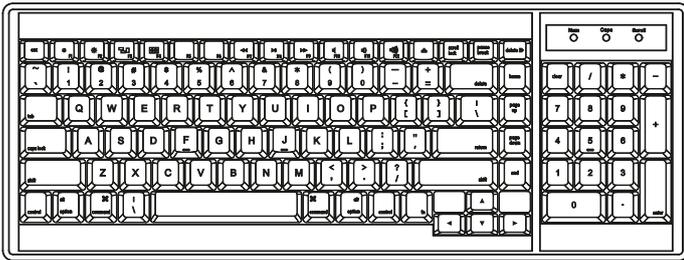
Mb MAC keyboard integrated with trackball
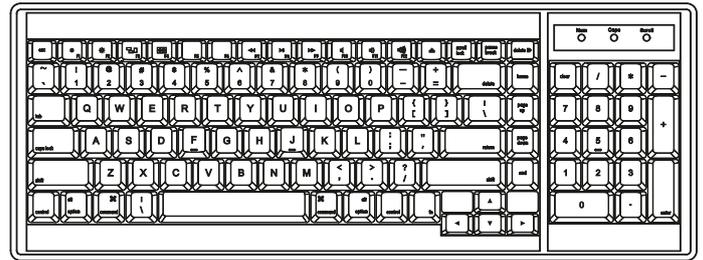
Supporting layouts

America

United States

How to Use "MAC" Keyboard

Keyboard Features

	F1 Decrease display brightness			**F9** Fast-forward
	F2 Increase display brightness			**F10** Mute sound
	F3 Mission control * Only works with OS X Lion default Keyboard Shortcuts.			**F11** Decrease volume
	F4 Dashboard			**F12** Increase volume
	F7 Rewind			**Eject disc**
	F8 Play / Pause			**Command**
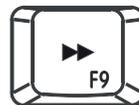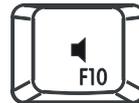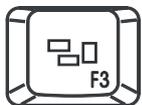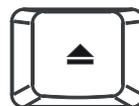
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< 2.1 > SUN Keyboard / Mouse Options

Sn	SUN keyboard integrated with touchpad
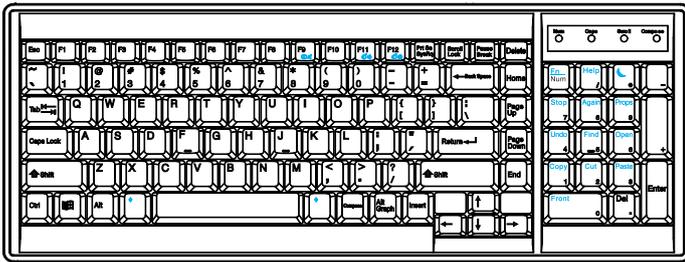
| Sb	SUN keyboard integrated with trackball
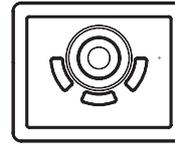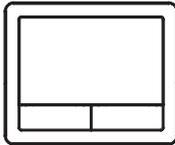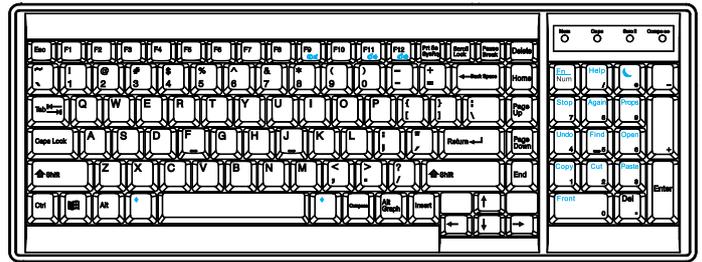
## SUN keyboard integrated with touchpad / trackball SOLARIS®

- ■ Incorporates SUN keys, including Stop, Cut, Paste, Compose, Copy and Help
- ■ 104 key notepad keyboard with full numerical pad and SUN function
- ■ USB interface
- ■ US layout only

How to Use "SUN" Keyboard
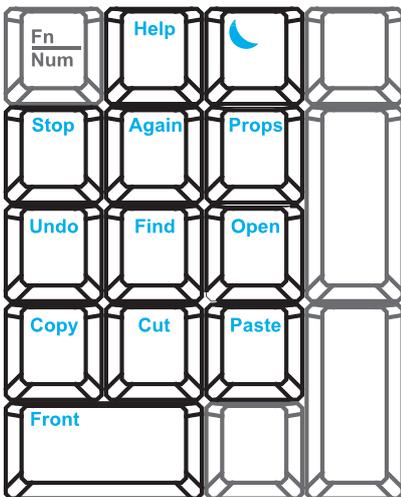
Num LED in Off mode

Key pad behaves as a SUN Solar system administration command mode
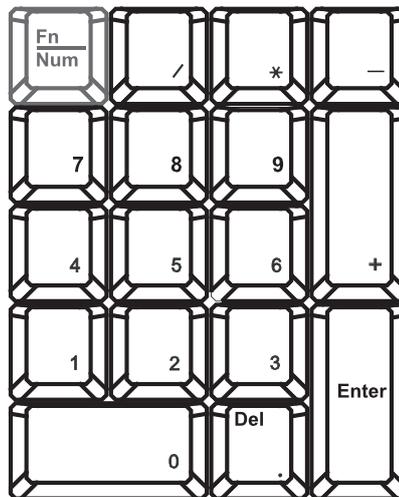
Num LED in Green mode

Key pad behaves as a normal key pad mode

Audio / Display Keys   * Please ask your supplier for full details

F9
Audio : Mute
Display : Degauss

F11
Audio : Decrease volume
Display : Decrease contrast

F12
Audio : Increase volume
Display : Increase contrast

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< 2.2 > Environmental Conditions

Operating	Temperature	-20 to 65°C degree
	Humidity	10~90%, non-condensing
	Altitude	16,000 ft
Storage / Non-operating	Temperature	-20 to 60°C degree
	Humidity	5~90%, non-condensing
	Altitude	40,000 ft
	Shock	10G acceleration (11ms duration)
	Vibration	10~300Hz 0.5G RMS random vibration

< Part 3 > KVM Integration

< 3.1 > LCDK1002

2K KVM	Local	Remote	IP	8-port	-	-
	0	0	0	-8HD	-	-

DVI-D KVM	Local	Remote	IP	12-port	-	-
	1	0	0	-12DVI	-	-

Cat6 Matrix KVM	Local	Remote	IP	8-port	16-port	32-port
	1	1	1	-	-MU163IP	-MU323IP
	1	1	2	-	-MU164IP2	-MU324IP2
	1	1	0	-	-MU162	-MU322
	1	2	0	-	-MU163	-MU323
	1	3	0	-	-MU164	-MU324

Cat6 Combo KVM	Local	Remote	IP	8-port	16-port	32-port
	1	0	1	-U8KVM2IP	-U16KVM2IP	-U32KVM2IP
	1	1	0	-U8KVM2	-U16KVM2	-U32KVM2
	1	0	0	-U8KVM	-U16KVM	-U32KVM

DB-15 Matrix KVM	Local	Remote	IP	8-port	16-port	32-port
	1	1	1	-M83IP	-M163IP	-
	1	1	2	-M84IP2	-M164IP2	-
	1	1	0	-M82	-M162	-
	1	2	0	-M83	-M163	-
	1	3	0	-M84	-M164	-

DB-15 Combo KVM	Local	Remote	IP	8-port	16-port	32-port
	1	0	1	-8KVM2IP	-16KVM2IP	-
	1	1	0	-8KVM	-16KVM2	-
	1	0	0	-8KVM-u	-16KVM-u	-

Model	Product Dimension (W x D x H)	Net Weight
LCDK1002 w/ KVM	442 x 600 x 44 mm 17.4 x 23.6 x 1.73 inch	10.9 kg 24 lb