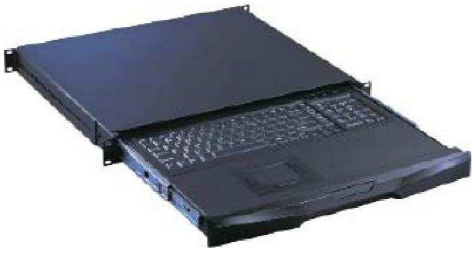
KVMSwitchTech.com

User Manual

Rackmount Keyboard Drawer

Models
KVM-RKD Series

- With KVM options



Models
KVM-RKD-2 Series

-Short depth version

- Without KVM options

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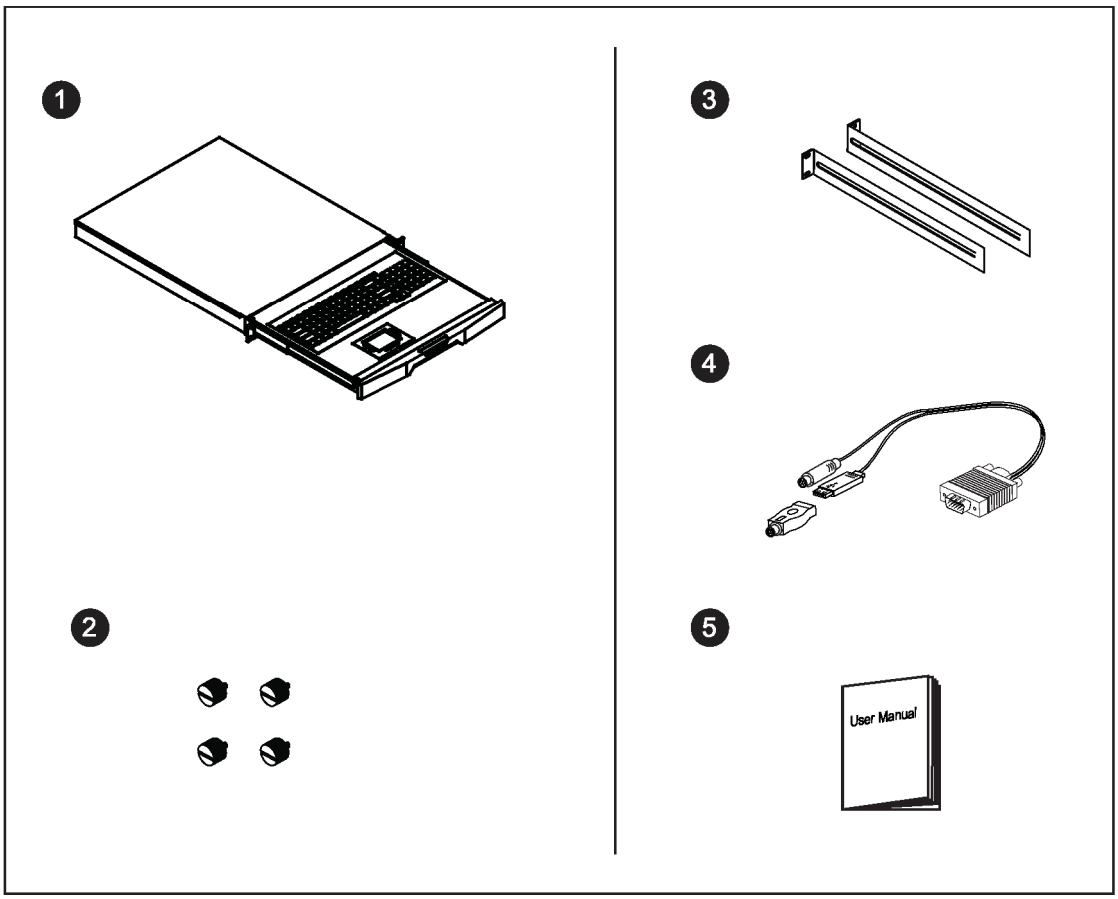
1.1 Package Contents

Chapter 1



1 Keyboard drawer x 1 pc

2 Fasteners for rear L-bracket x 4 pcs

3 330mm rear mounting L-bracket x 1 pair

* KVM-RKD series mounting depth-adjustable from 210 to 800mm
* KVM-RKD-2 series maximum mounting depth is 645mm

4 Combo keyboard cable x 1 pc

5 User manual x 1 pc

1.2 Before Installation

- It is very important to locate the Rackmount Keyboard Drawer in a suitable environment.
- The surface for placing and un-boxing the Rackmount Keyboard Drawer should be stable and level or mounted into a suitable cabinet.
- Make sure the place has good ventilation, is out of direct sunlight, away from sources of excessive dust, dirt, heat, water, moisture and vibration.
- Convenience for connecting the Rackmount Keyboard Drawer to the related facilities should be well considers too.

1.3 Unpacking

The Rackmount Keyboard Drawer comes with the standard parts shown on the package contents. Check and make sure they are included and in good condition. If anything is missing, or damage, contact the supplier immediately.

1.4 Optional Accessories

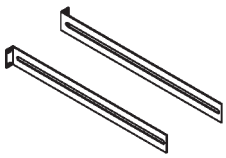
1. Extended rear mounting L-bracket

1.1 430mm (16.9") extended rear L-bracket for :

KVM-RKD series up to 900mm

KVM-RKD-2 series up to 745mm

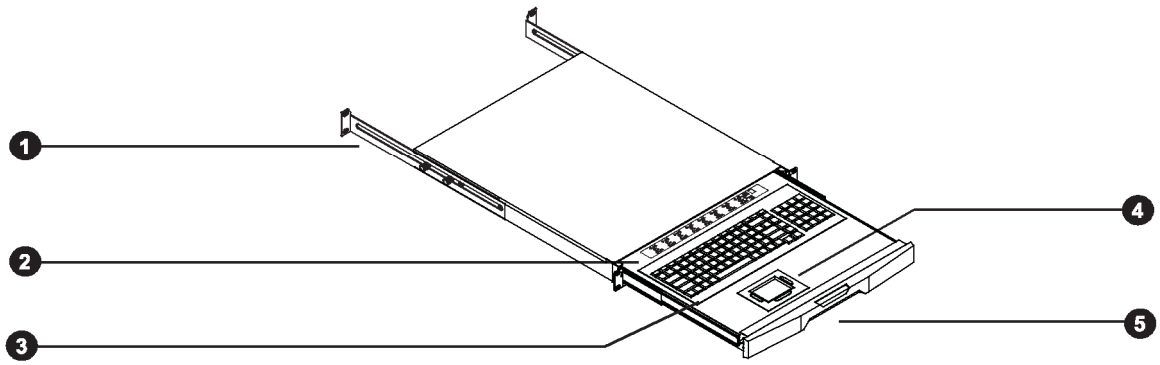
*Extended rear L-bracket in tailor-made length on request



1.5 Peripheral Products

Item	Description
Matrix Cat6 KVM	Matrix Cat6 16 port KVM Matrix IP Cat6 16 port KVM Matrix Cat6 32 port KVM Matrix IP Cat6 32 port KVM
Matrix DB-15 KVM	Matrix DB-15 8 port KVM Matrix IP DB-15 8 port KVM Matrix DB-15 16 port KVM Matrix IP DB-15 16 port KVM
Combo Cat6 KVM	Combo Cat6 8 port KVM Combo Cat6 16 port KVM Combo Cat6 32 port KVM
Combo DB-15 KVM	Combo DB-15 8 port KVM Combo DB-15 16 port KVM
PS/2 DB-15 KVM	4 / 8 / 16 port PS/2 DB-15 KVM
Rackmount LCD Drawer	1U 15" / 17" / 19" LCD drawer 1U wide screen 19” LCD
Rackmount LCD Display	7U 17" / 8U 19" / 9U 20”LCD display 7U 19” / 8U 22” wide screen LCD display

1.6 Structure Diagram



1 Adjustable rear mounting L-bracket

2 Membrane switch (for KVM-RKD with KVM option)

3 Keyboard interchangeable module kit

4 Mouse interchangeable module kit

5 Carry handle to release the 2-pt lock

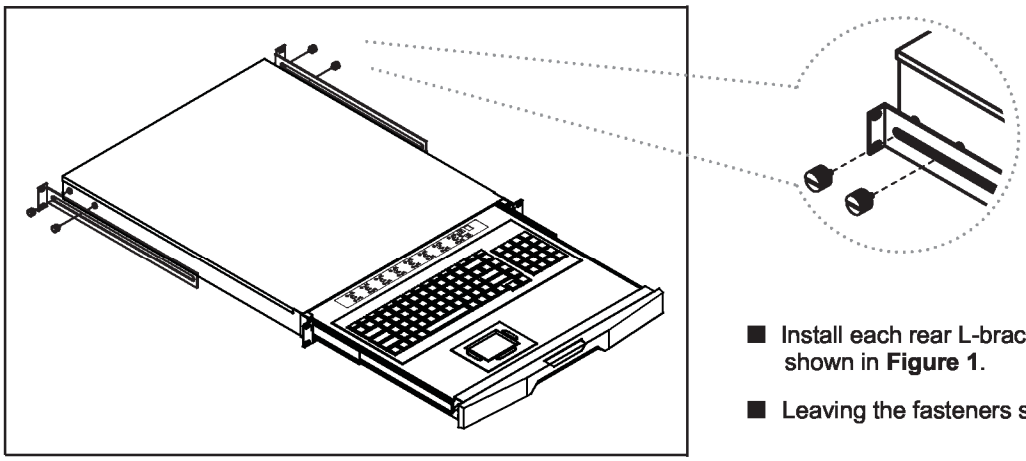


Figure 1. Installing the rear L-bracket to the keyboard drawer.

- Install each rear L-bracket using two fasteners shown in **Figure 1**.
- Leaving the fasteners slightly loose

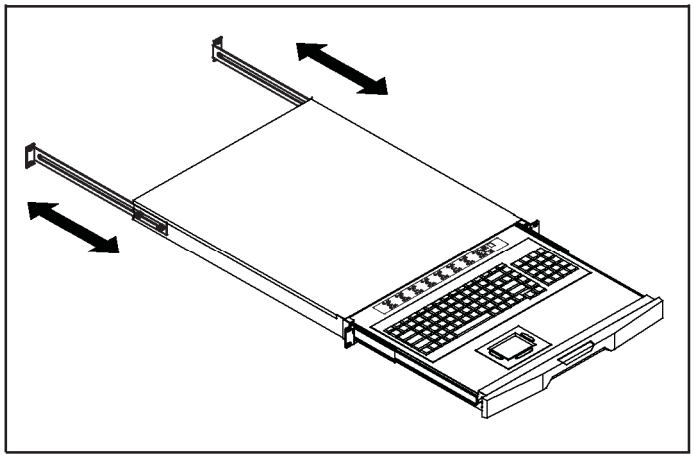


Figure 2. Aligning the rear L-brackets to a suitable length for the rack.

- Measure the front and rear mounting depth of the rack.
- Align each rear L-bracket to a suitable length and tighten the fasteners shown in **Figure 2**.

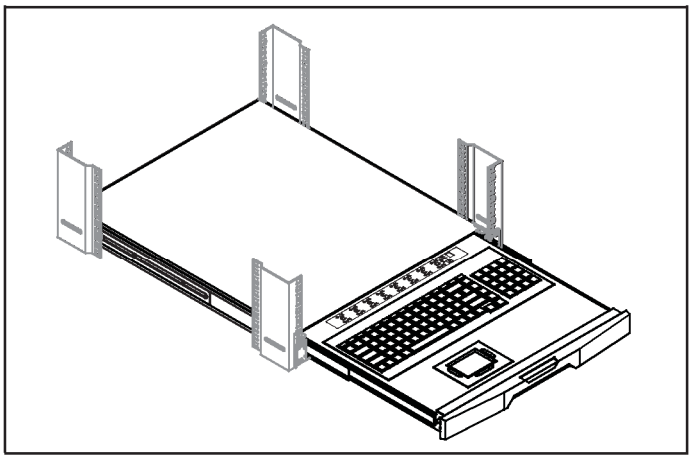


Figure 3. Fixing the keyboard drawer into the rack.

- Fixed the keyboard drawer into the rack.

  *** Hardware (screws and cage nuts) for fixing the mounting bracket to the rack is not provided.**

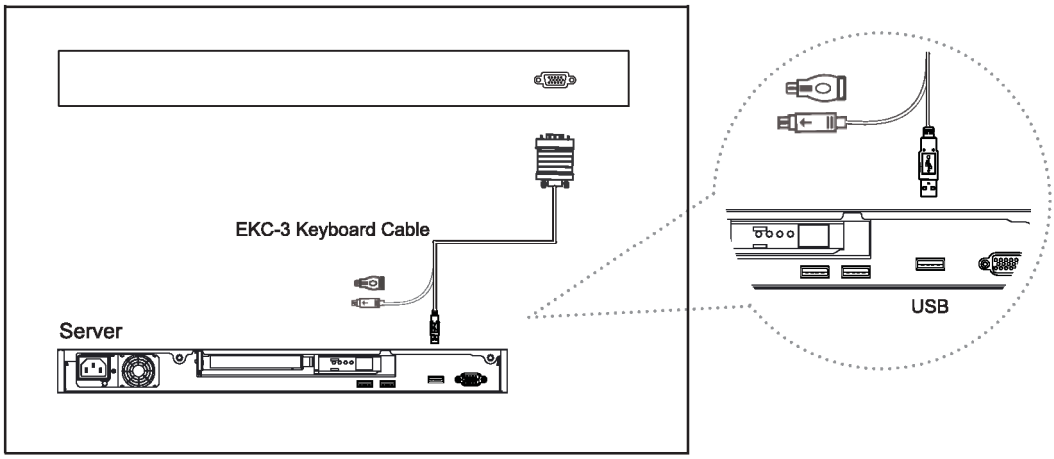


Figure 4. Example of connecting EKC-3 keyboard cable to server via USB interface

Remarks :

- The above connection is only for the keyboard without KVM switch built-in.
- For the keyboard drawer with KVM switch built-in, please refer to http://www.kvmswitchtech.com.

1.9 Connect to KVM via USB Interface

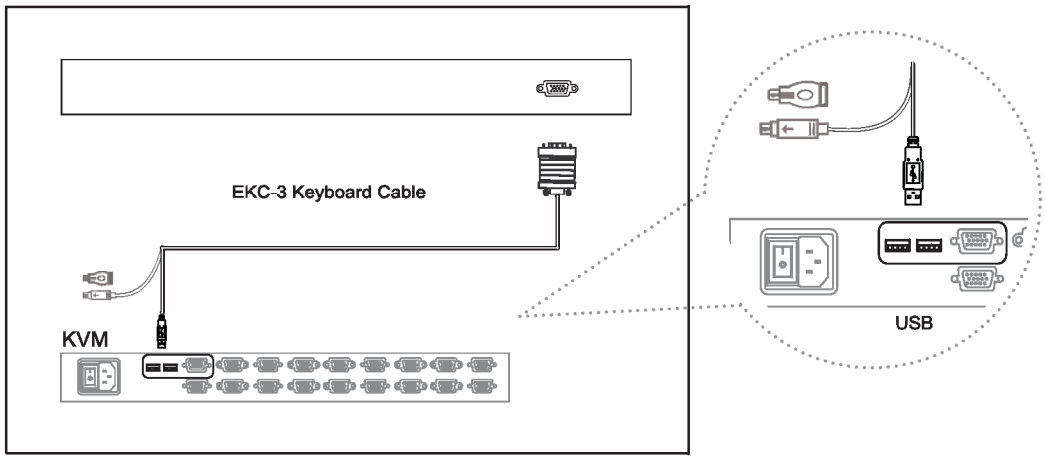


Figure 5. Example of connecting EKC-3 keyboard cable to KVM via USB interface

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 before connecting them. Apply power to connected devices again only after the keyboard is receiving power. The company is not responsible for damage caused in this way.

1.10 Connect to Server via PS/2 Interface

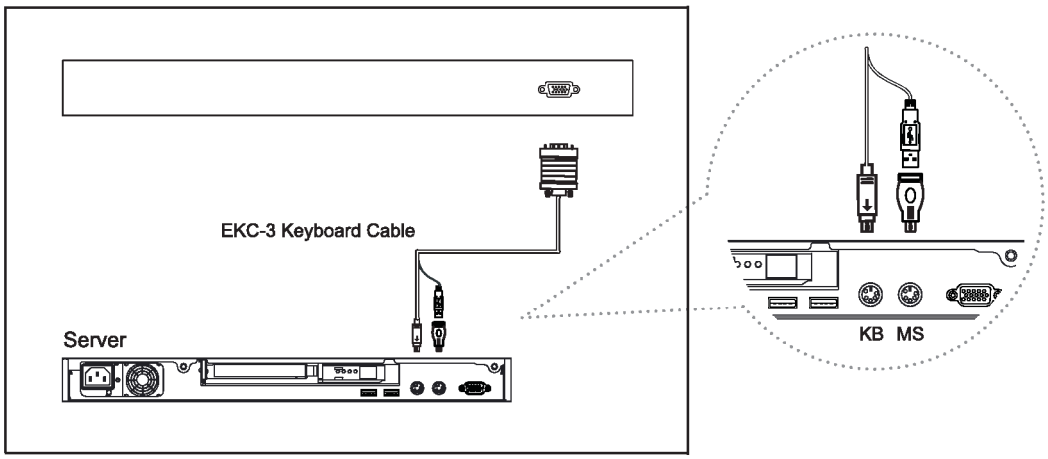


Figure 6. Example of connecting EKC-3 keyboard cable to server via PS/2 interface

1.11 Connect to KVM via PS/2 Interface

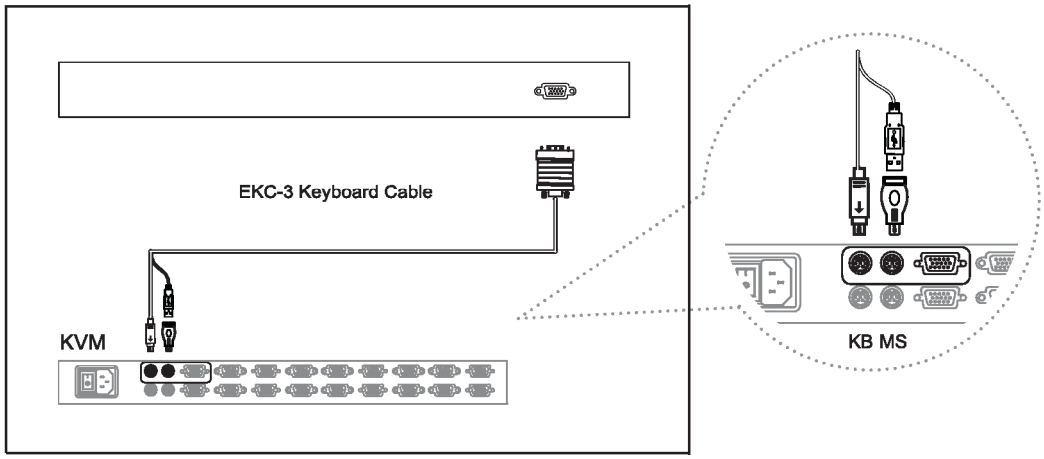


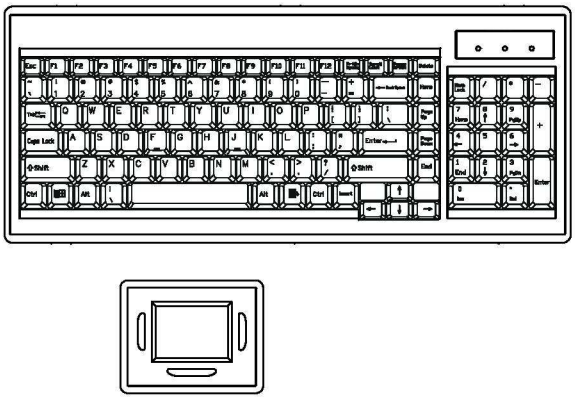
Figure 7. Example of connecting EKC-3 keyboard cable to KVM via PS/2 interface

Remarks :

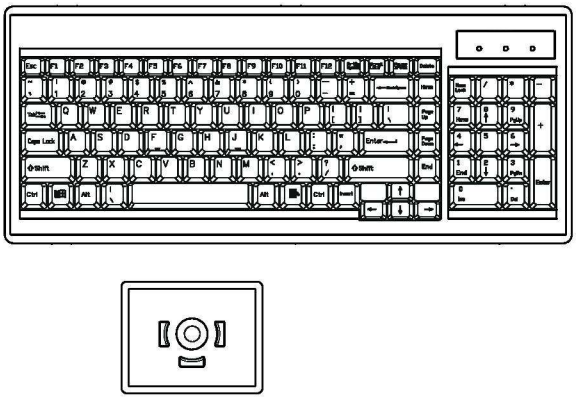
- The above connection is only for the keyboard without KVM switch built-in.
- For the keyboard drawer with KVM switch built-in, please refer to http://www.kvmswitchtech.com.

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 before connecting them. Apply power to connected devices again only after the keyboard is receiving power. The company is not responsible for damage caused in this way.

Supporting layouts

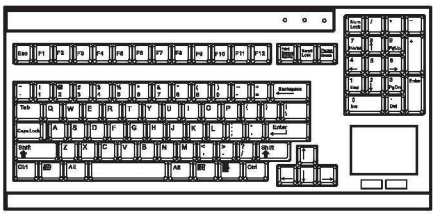


Ne N keyboard integrated with touchpad



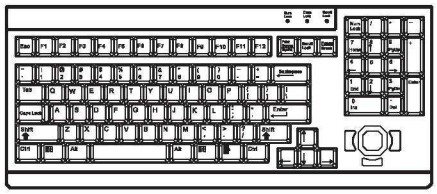
Nb N keyboard integrated with trackball

Supporting layouts only



t Compact keyboard integrated with touch-pad mouse

Supporting layouts only



d Compact keyboard integrated with trackball

3.1 KVM Options for KVM-RKD

Chapter 3

Our KVM is designed to seamlessly integrate into the rear of our full range of keyboard drawer solutions:

- For KVM operation, please refer to KVM user manual
- Option with Multiple consoles Matrix KVM
- Option with high density & cost efficient Combo KVM integration with either 8 / 16 / 32 ports
- Option with low cost PS/2 KVM
- Please ask your supplier for full KVM details

Remarks

- KVM-RKD series has KVM option only.

3.2 Environmental

Operation	0˚ to 50˚C Degree
Storage	-5˚ to 60˚C Degree
Relative Humidity	5~90%, non-condensing
Shock	10G acceleration (11ms duration)
Vibration	5~500Hz 1G RMS random vibration

4.1 Dimensions

Chapter 4

Model	Product Dimension (W x D x H)	Packing Dimension (W x D x H)	Net Weight	Gross Weight
KVM-RKD series (with KVM option)	442 x 550 x 44.2 mm 17.4 x 21.6 x 1.74"	581 x 705 x 175 mm 22.9 x 27.8 x 6.9"	8 kg 18 lb	12 kg 26 lb
KVM-RKD-2 series	442 x 400 x 44 mm 17.4 x 15.7 x 1.73"	500 x 582 x 100 mm 19.7 x 22.9 x 3.9"	6 kg 13 lb	8 kg 18 lb

The company reserves the right to modify product specifications without prior notice and assumes no responsibility for any error which may appear in this publication.

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