

User Manual



ERL-20 / ERLS-20

- 1U 20" LCD Keyboard Drawer
- Resolution up to 1600 x 1200
- Up to 4 KVM



ERW-19 / ERWS-19

- 1U 19" LCD Keyboard Drawer
- Resolution up to 1440 x 900
- Up to 4 KVM

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

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.

Legal Information

First English printing, October 2002

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

- 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 40° Celsius (104° Fahrenheit).
- When installing, place the equipment on a sturdy, level surface to prevent it from accidentally falling and causing damage to other equipment or injury to persons nearby.
- When the drawer 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 damaged 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 invalidate its warranty.
- If any part of the equipment becomes damaged or stops functioning, have it checked by qualified service personnel.

CAUTION: Slide/rail mounted equipment is not to be used as a shelf or a work space.



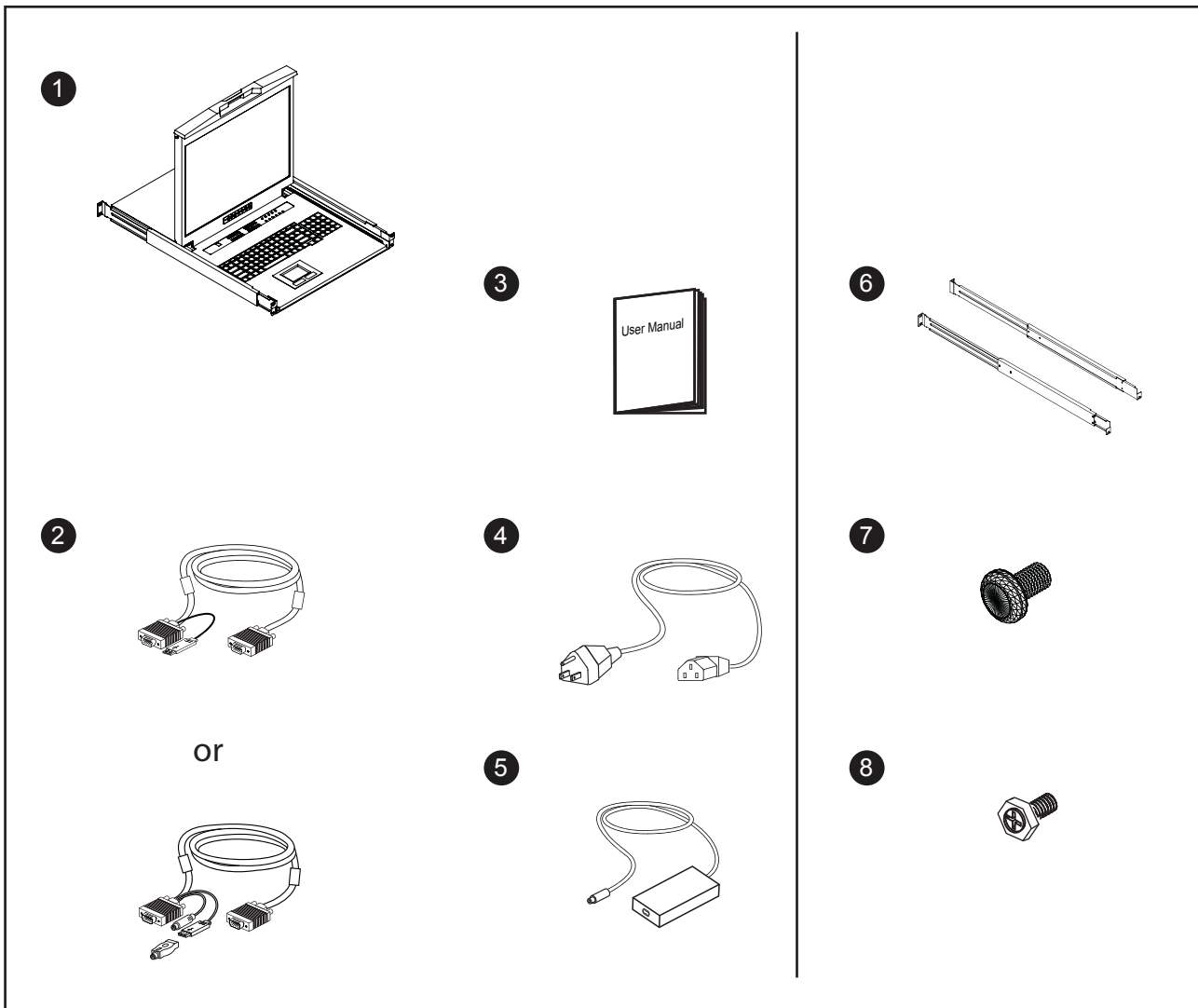
Regulatory Notices Federal Communications Commission (FCC)

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 installation.

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:

- Reposition 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.



- ① LCD keyboard drawer x 1 pc
- ② CB-6 USB 2-in-1 KVM cable x 1 pc (for ERLS / ERWS series)
CE-6 Combo 4-in-1 KVM cable x 1 pc (for ERL / ERW series)
- ③ User manual (As of Sept 2011, all user manuals will be download-only. Physical copies are available upon request)
- ④ Power cord x 1 pc
- ⑤ Auto switch power adapter (for external power version) x 1 pc
- ⑥ Mounting bracket x 2 pcs
- ⑦ M6*15mm screw x 8 pcs
- ⑧ M3.2*6mm screw x 4 pcs

1.7 Peripheral Products

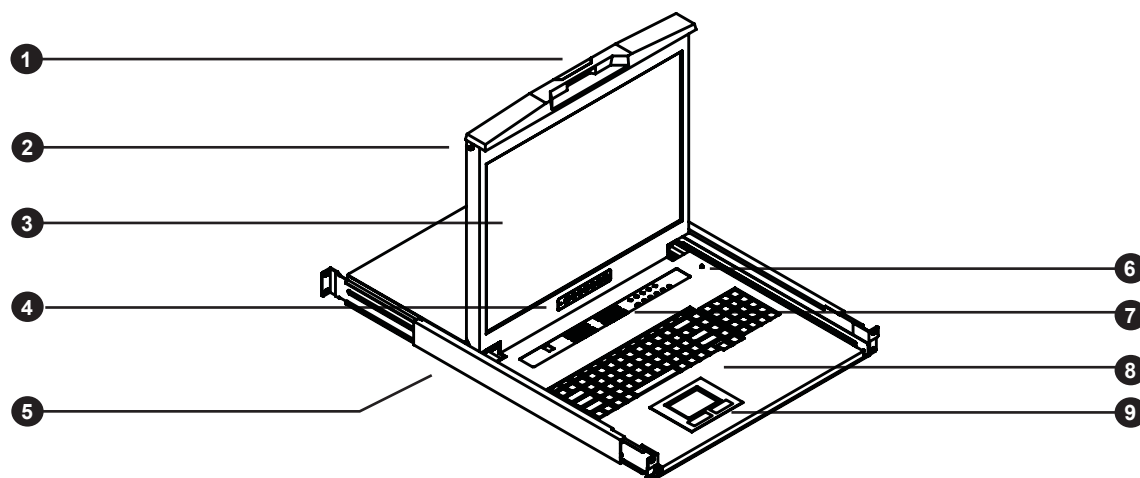
Chapter 1

Item	Model No.	Description
Matrix Cat 6 KVM	FÍ ĘĊġ Ę ĢÝ / MHÝ / MI Ý	Matrix Cat6 16Ĥort KVM
	FÍ ĘĊġ Ę HÝĤ / MI ÝĤ / MI ÝĤ	Matrix IP Cat6 16Ĥort KVM
	HĊĊġ Ę ĢÝ / MHÝ / MI Ý	Matrix Cat6 32Ĥort KVM
	HĊĊġ Ę HÝĤ / MI ÝĤ / MI ÝĤ	Matrix IP Cat6 32Ĥort KVM
Matrix DB-15 KVM	Ġ Ę ĢÝ / MHÝ / T Ġ Ý	Matrix DB-15 8Ĥort KVM
	Ġ Ę HÝĤ / MI ÝĤ / MI ÝĤ	Matrix IP DB-15 8Ĥort KVM
	FÍ Ę ĢÝ / MHÝ / MI Ý	Matrix DB-15 16Ĥort KVM
	FÍ Ę HÝĤ / MI ÝĤ / MI ÝĤ	Matrix IP DB-15 16Ĥort KVM
Combo Cat 6 KVM	Ġ ĘĊġ / Ġ ĘĊġ ĢÝ / Ġ ĘĊġ Ĥ	Combo Cat6 8Ĥort KVM
	FÍ ĘĊġ / FÍ ĘĊġ ĢÝ / FÍ ĘĊġ Ĥ	Combo Cat6 16Ĥort KVM
	HĊĊġ / HĊĊġ ĢÝ / HĊĊġ Ĥ	Combo Cat6 32Ĥort KVM
Combo DB-15 KVM	Ġ ĤŲÓ / Ġ ĢÝ / Ġ Ĥ	Combo DB-15 8Ĥort KVM
	FÍ ĤŲÓ / FÍ ĢÝ / FÍ Ĥ	Combo DB-15 16Ĥort KVM
PS/2 DB-15 KVM	4 / 8 / 16 / / /	8 / 16Ĥort PS/2 DB-15 KVM

Please Note:

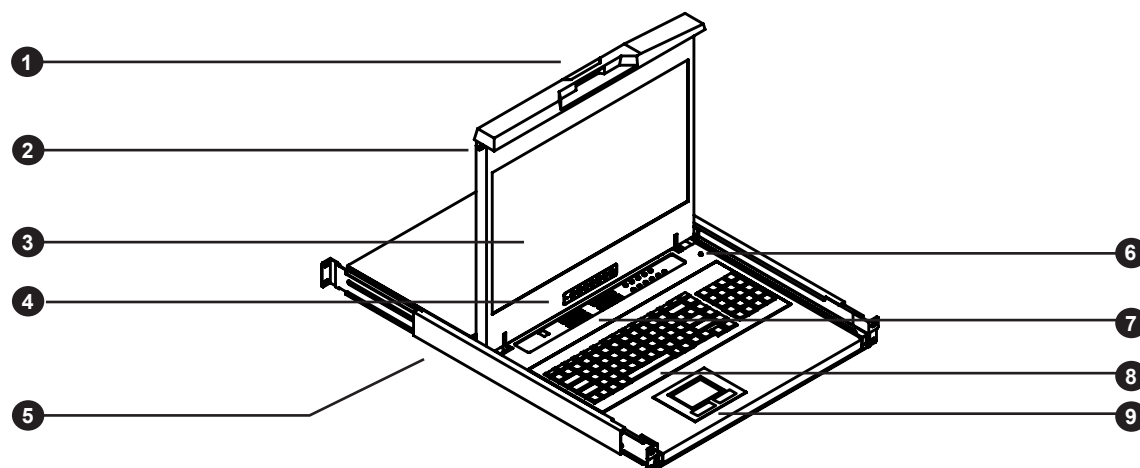
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ERL / ERLS Series



- | | |
|---|--|
| ① Carry handle to release the 2-pt lock | ⑥ Micro switch for screen auto power off |
| ② 2-point lock | ⑦ Membrane switch (KVM option) |
| ③ LCD interchangeable module kit | ⑧ Keyboard interchangeable module kit |
| ④ LCD membrane | ⑨ 2 buttons mouse interchangeable module kit |
| ⑤ "One Man" Installation Slide | |

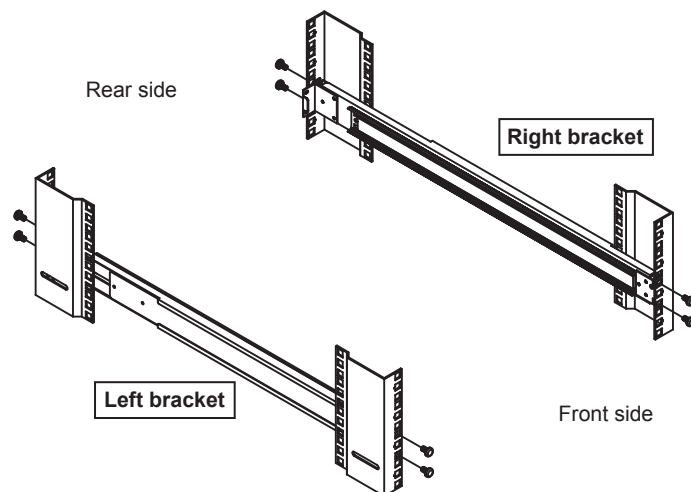
ERW / ERWS Series



- | | |
|---|--|
| ① Carry handle to release the 2-pt lock | ⑥ Micro switch for screen auto power off |
| ② 2-point lock | ⑦ Membrane switch (KVM option) |
| ③ LCD interchangeable module kit | ⑧ Keyboard interchangeable module kit |
| ④ LCD membrane | ⑨ Mouse interchangeable module kit |
| ⑤ "One Man" Installation Slides | |

For ERL / ERLS series

1

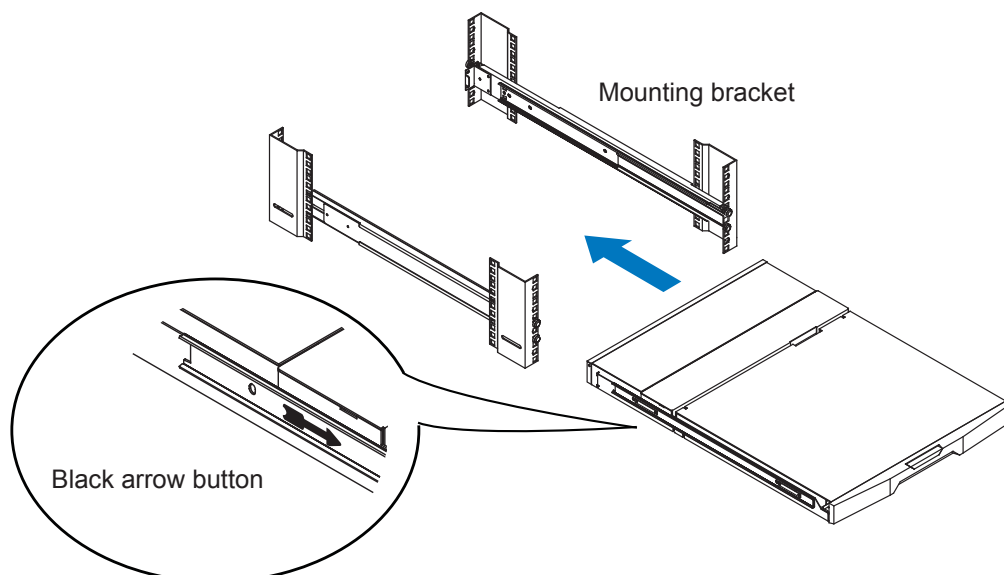


- Attach the left and right mounting bracket to 19" mounting rails.
- Adjust the mounting bracket to fit your rack.
- M6 screw x 8 pcs included.



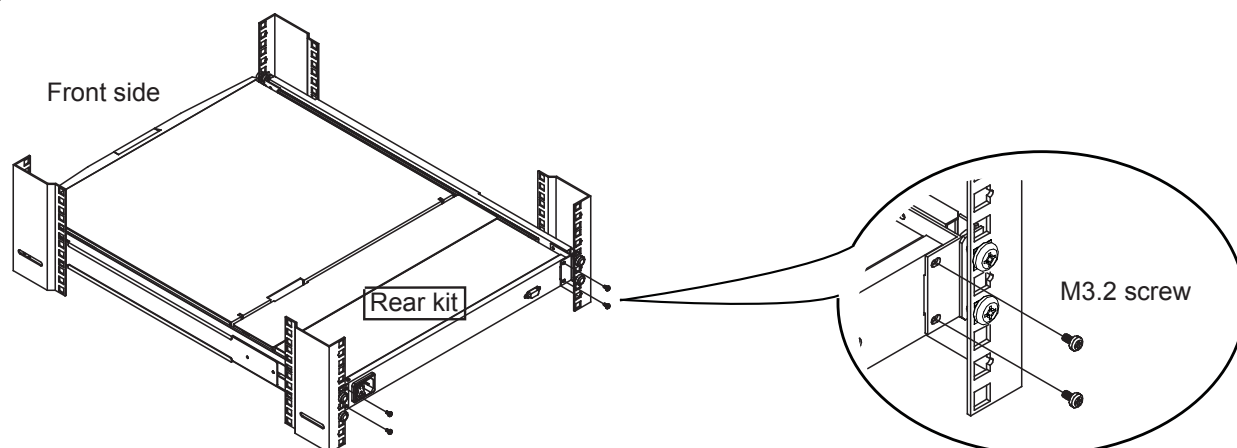
Caution : Leave all M6 screw slightly loose , until you complete the installation in step 6

2



- Pick up the LCD tray.
- Insert the LCD tray into the mounting bracket.
- Pull and hold the left & right black arrow buttons on the rails.
- Return the LCD tray to park position.

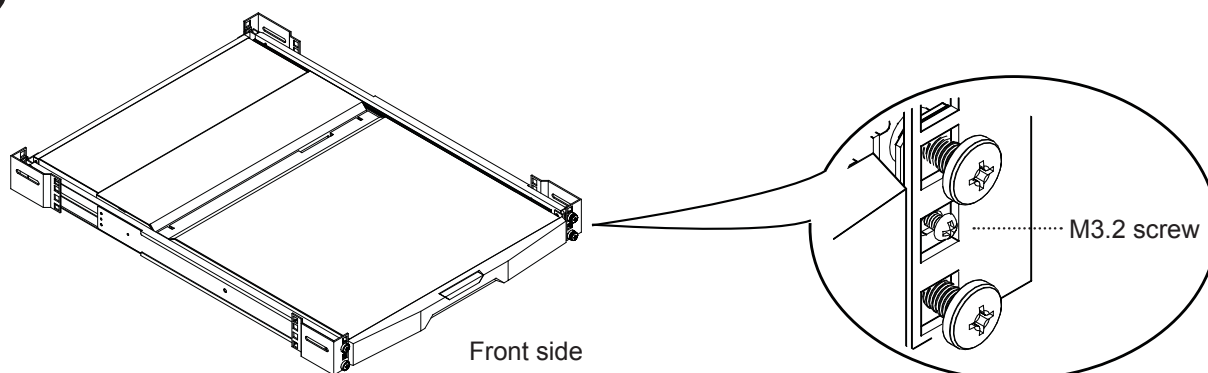
3



- Fix the **rear kit** to the mounting bracket by M3.2 screw x 4 pcs included.

⚠ Caution : This step is necessary. Failure to complete this will cause damage.

4

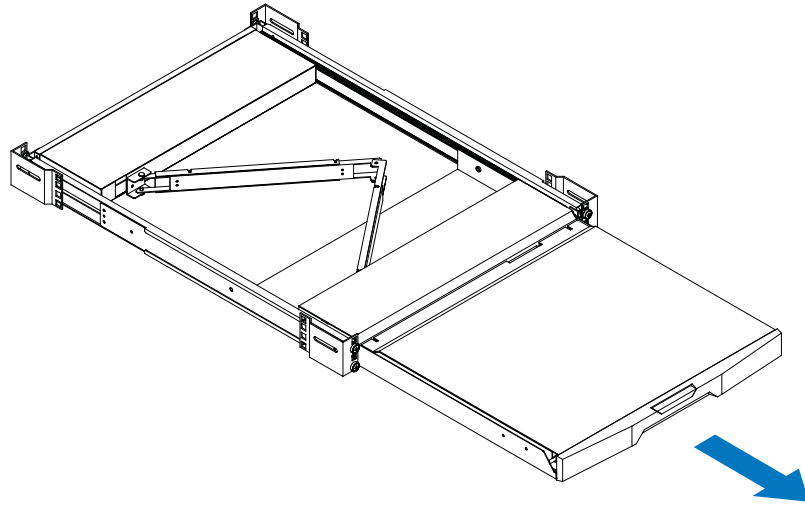


- Loose left and right M3.2 screw x 2 pcs.

⚠ Caution : Leave the M3.2 screw **slightly loose**, until you complete the installation in step

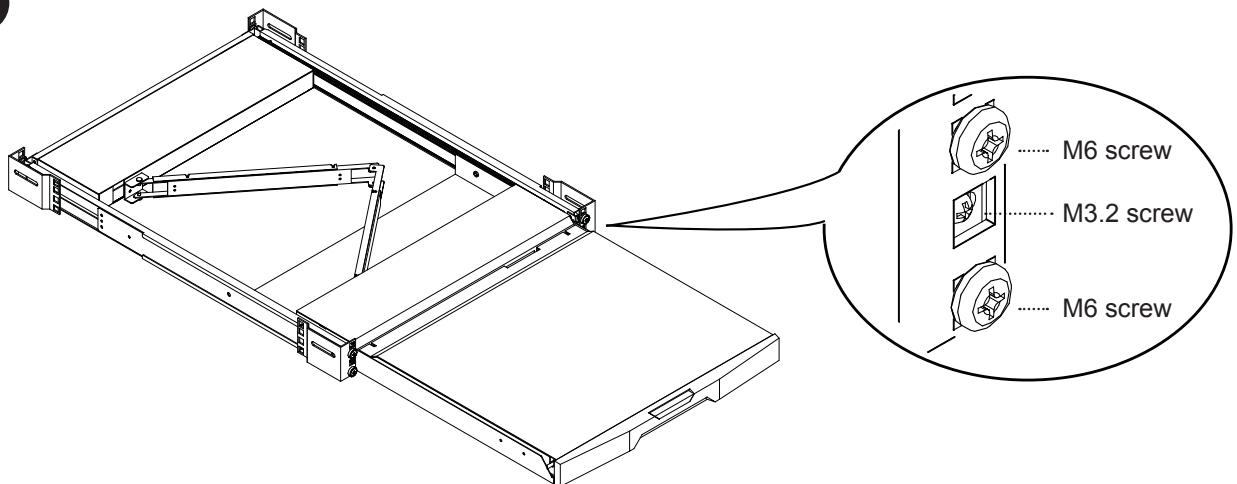
6

5



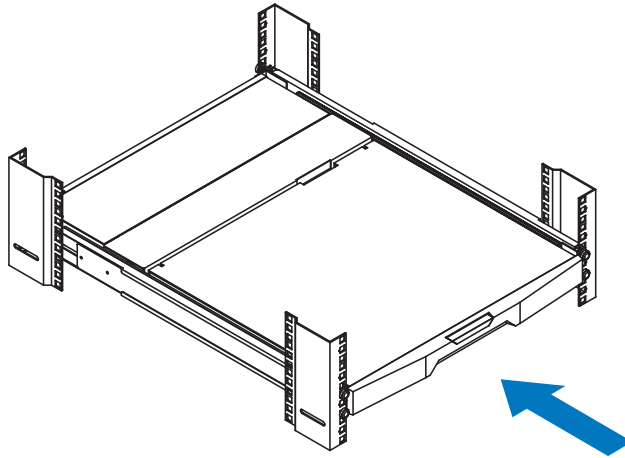
- Pull out the LCD tray.

6



- Tighten all M6 and M3.2 screws (total 14 pcs).

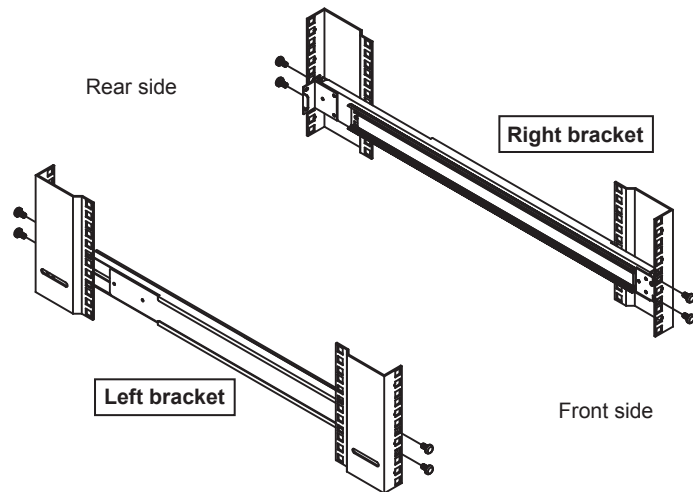
7 Complete the installation



- Pull and hold the left & right black arrow buttons on the rails.
- Return the LCD tray to park position.

For ERW / ERWS series

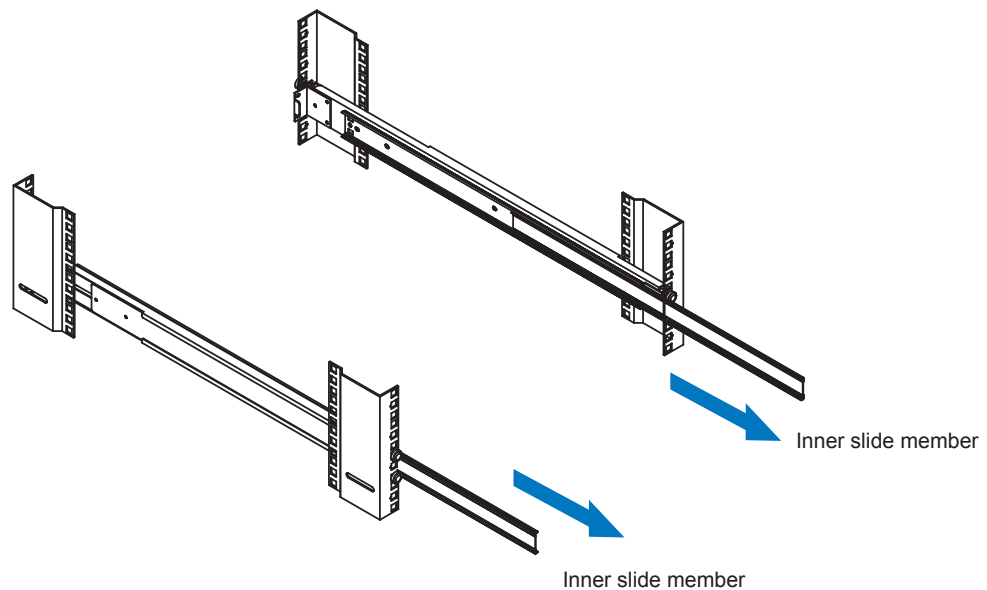
1



- Attach the left and right mounting bracket to rack 19" mounting rails.
- Adjust the mounting bracket to fit your rack.
- M6 screw x 8 pcs included.

⚠ Caution : Leave all M6 screw slightly loose until you complete the installation in step 5

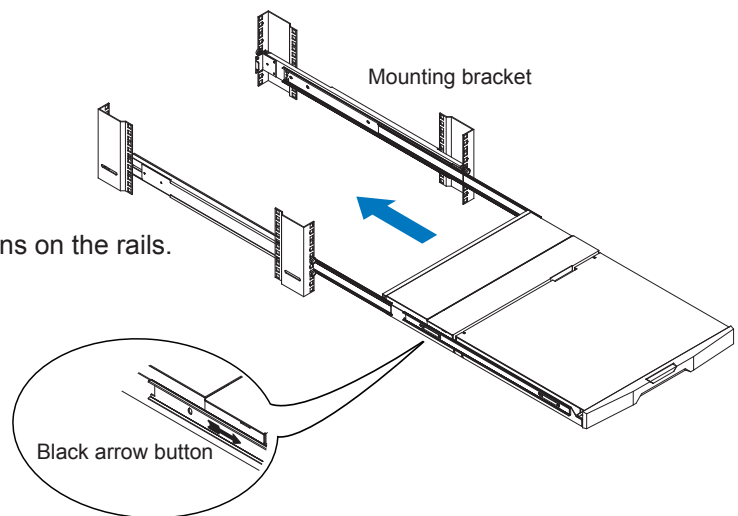
2



- Pull out the left & right inner slide members.

3

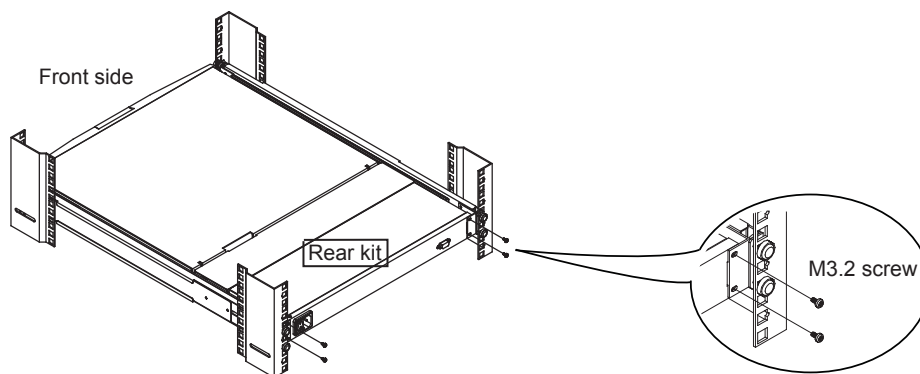
- Pick up the LCD tray.
- Insert the LCD tray into the mounting bracket.
- Pull and hold the left & right black arrow buttons on the rails.
- Return the LCD tray to park position.



4

- Fix the **rear kit** to the mounting bracket by M3.2 screw x 4 pcs included.

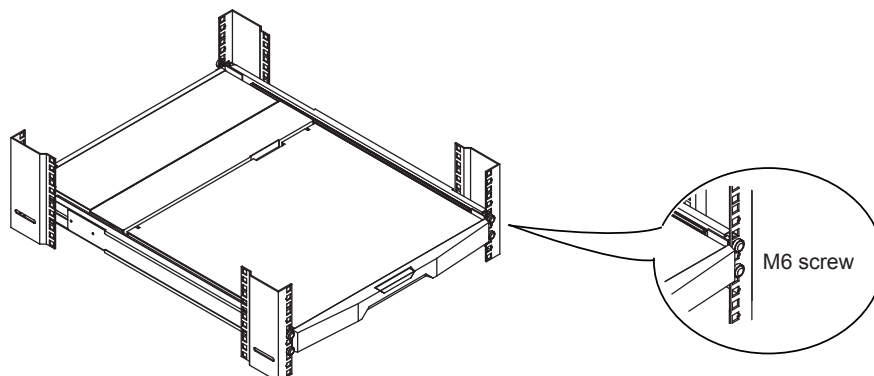
⚠ Caution : This step is necessary. Failure to complete this will cause damage.



5

Complete the installation

- Tighten all 8 pcs of M6 screw to complete the installation.



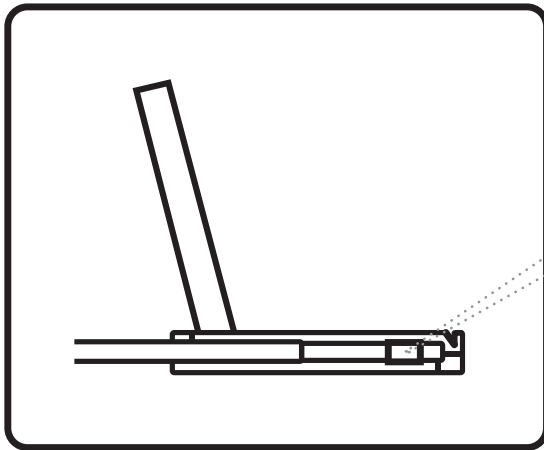


Figure 1.

- A black arrow release button is located on the outside of each slide. (shown in **Figure 1**).

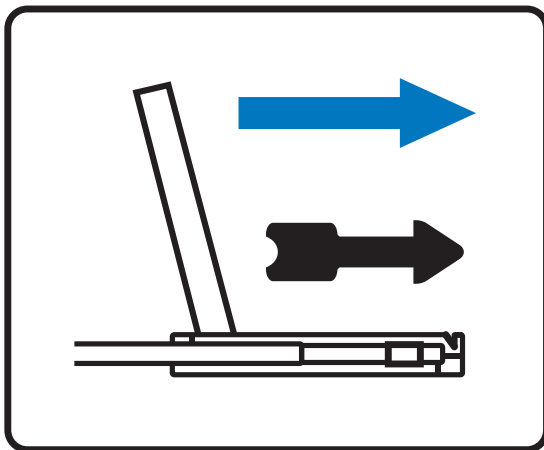


Figure 2.

- Pull and hold the black arrow button on either side of the LCD keyboard drawer to unlock. (shown in **Figure 2**).

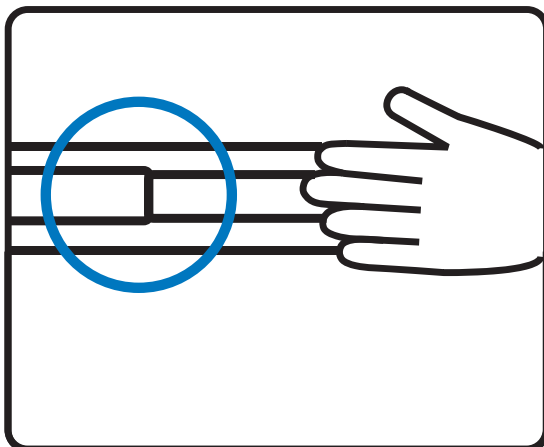


Figure 3.

- Push the LCD keyboard drawer into the rack. (shown in **Figure 3**).

Caution : Keep your fingers away from the slide stop



Figure 4. Slide the LCD keyboard drawer out.

- Press the carry handle button. Gently pull the carry handle toward you. See Figure 4.



Figure 5. Adjust the LCD to a suitable angle.

- Adjust the LCD to a suitable angle as shown in Figure 5.



Figure 6. Operating the LCD keyboard drawer

- Operate the LCD keyboard drawer as shown in Figure 6.

1.12 ERLS-20 / ERWS-19 (Single Console)

- Use CB-6 to connect to server via USB interface

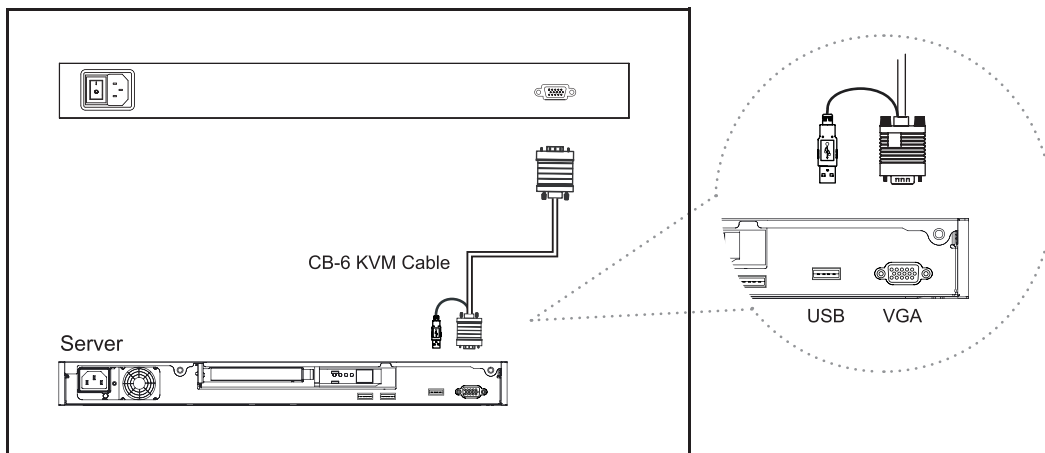


Figure 7. Example of connecting CB-6 2-in-1 USB KVM cable to server via USB interface

1.13 ERLS-20 / ERWS-19 (Single Console)

- Use CB-6 to connect to KVM via USB interface

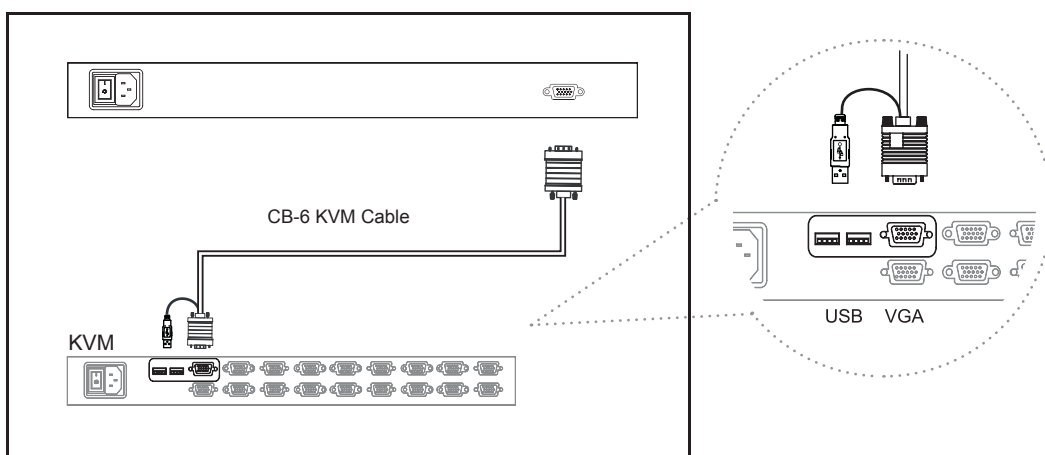


Figure 8. Example of connecting CB-6 2-in-1 USB KVM cable to KVM via USB interface

Please Note:

- The LCD 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 LCD keyboard drawer. Before attempting to connect anything to the LCD keyboard drawer, we suggest turning off the power to all devices before connecting them. Apply power to connected devices again only after the LCD keyboard is receiving power. The company is not responsible for damage caused in this way.
- For a detailed description of the connection, please refer to the user manual of the connected devices.



Caution : The LCD 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 LCD keyboard drawer. Before attempting to connect anything to the LCD keyboard drawer, we suggest turning off the power to all devices before connecting them. Apply power to connected devices again only after the LCD keyboard is receiving power. The company is not responsible for damage caused in this way.

1.14 ERL-20 / ERW-19 (Single Console)

- Use CE-6 to connect to server via PS/2 interface

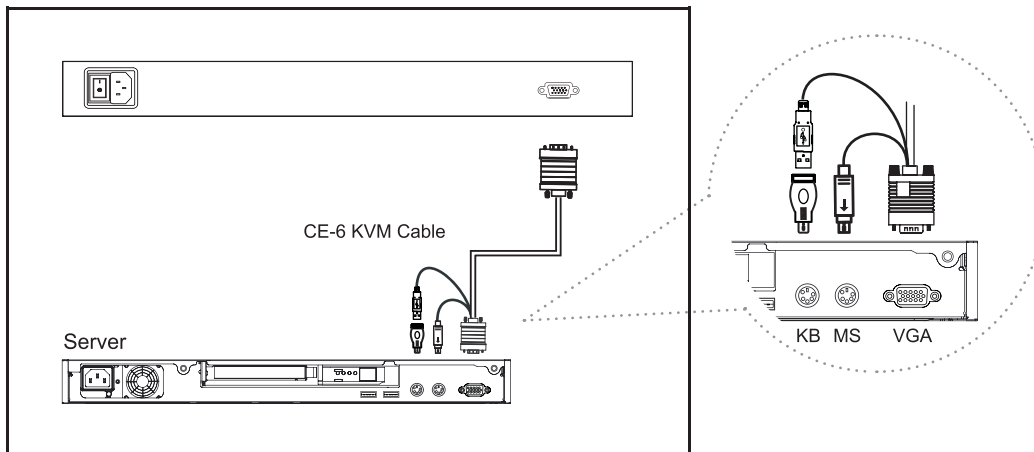


Figure 9. Example of connecting CE-6 4-in-1 Combo KVM cable to server via PS/2 interface

1.15 ERL-120 / ERW-119 (Single Console)

- Use CE-6 to connect to KVM via PS/2 interface

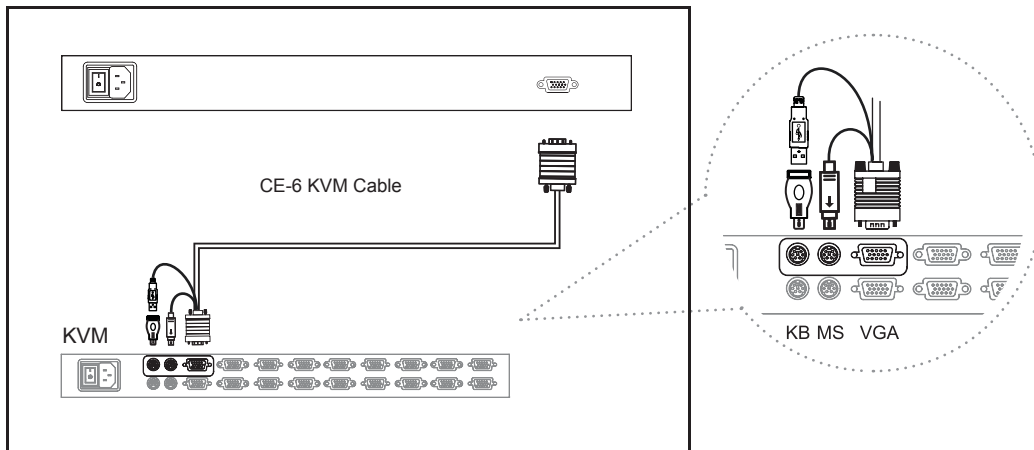


Figure 10. Example of connecting CE-6 4-in-1 Combo KVM cable to KVM via PS/2 interface

Please Note:

- The LCD 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 LCD keyboard drawer. Before attempting to connect anything to the LCD keyboard drawer, we suggest turning off the power to all devices before connecting them. Apply power to connected devices again only after the LCD keyboard is receiving power. The manufacturer is not responsible for damage caused in this way.
- The LCD 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 LCD keyboard drawer. Before attempting to connect anything to the LCD keyboard drawer, we suggest turning off the power to all devices before connecting them. Apply power to connected devices again only after the LCD keyboard is receiving power. The manufacturer is not responsible for damage caused in this way.



Caution : The LCD 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 LCD keyboard drawer. Before attempting to connect anything to the LCD keyboard drawer, we suggest turning off the power to all devices before connecting them. Apply power to connected devices again only after the LCD keyboard is receiving power. The manufacturer is not responsible for damage caused in this way.

1.16 ERL-20 / ERW-19 (Single Console)

- Use CE-6 to connect to server via USB interface

Chapter 1

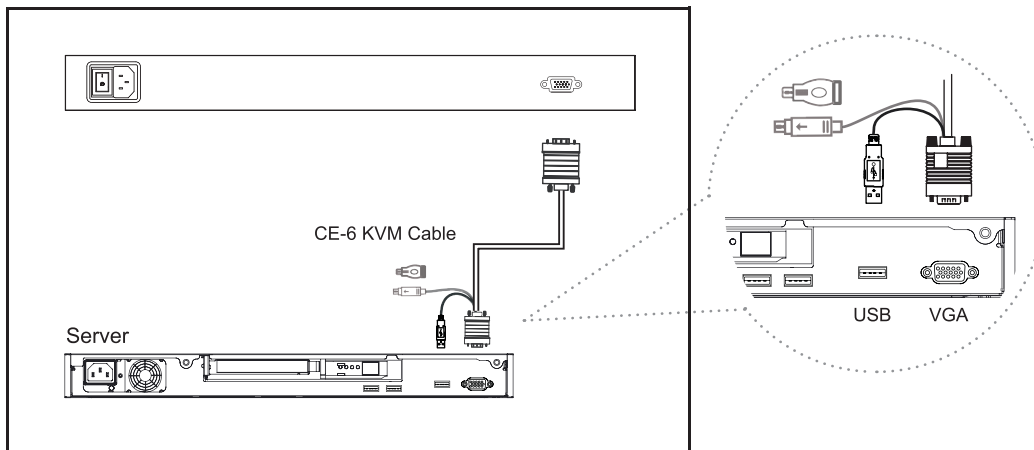


Figure 11. Example of connecting CE-6 4-in-1 Combo KVM cable to server via USB interface

1.17 ERL-20 / ERW-19 (Single Console)

- Use CE-6 to connect to KVM via USB interface

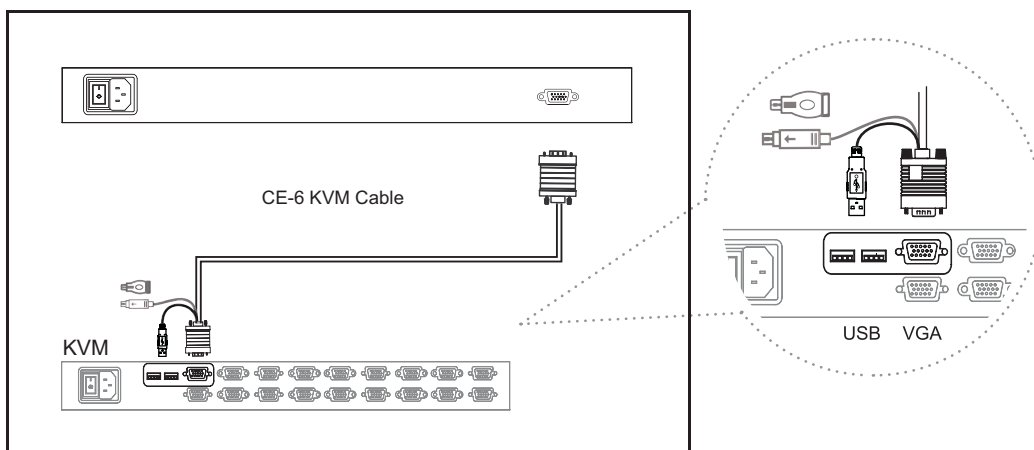


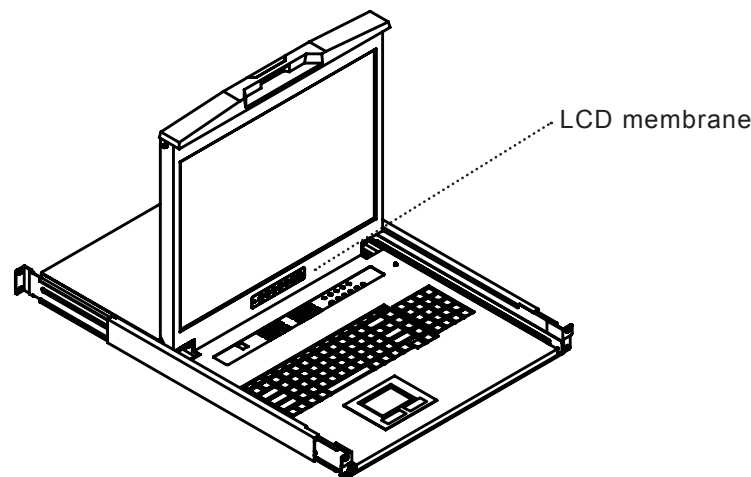
Figure 12. Example of connecting CE-6 4-in-1 Combo KVM cable to KVM via USB interface

Please Note:

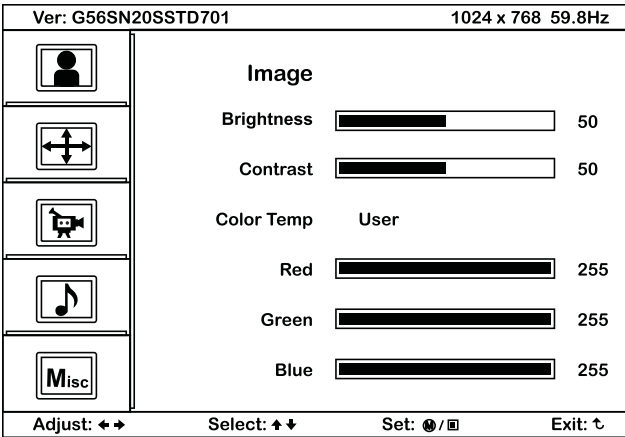
- The LCD keyboard drawer is hot-pluggable, but components of connected devices, such as the servers and KVM switch, may not be hot-pluggable. Plugging and unplugging cables while servers and KVM are powered on may cause irreversible damage to the servers, KVM and LCD keyboard drawer. Before attempting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



Caution : The LCD 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 LCD keyboard drawer. Before attempting to connect anything to the LCD keyboard drawer, we suggest turning off the power to all devices before connecting them. Apply power to connected devices again only after the LCD keyboard is receiving power. The company is not responsible for damage caused in this way.



Membrane Switch	Function
<div><div></div><div></div><div></div></div>	Power light Green = On Orange = Power saving
<div></div>	Power on / off LCD
<div><div>M</div><div></div></div>	Display the OSD menu
<div><div></div><div></div><div></div><div></div></div>	Scrolls through menu options and adjusts the displayed control (To auto adjustment by pressing the button <div></div> for 5 seconds)
<div></div>	Exit the OSD screen Toggle analog, digital & video connection (DVI-D and video options only)



OSD Configuration Page



Image:
To enter into the brightness, contrast, color temp, red, green, and blue



Geometry:
To enter into the auto adjust, H position, V position, phase and clock



Video:
To enter into the colour, tint, sharpness, noise reduction, DCDi and TV Setup



Audio:
To enter into volume, bass, treble, balance, AVL and mute



Misc:
To enter into the language, OSD position, graphic mode, ratio, reset and timer


Item Description		
Form Factor	1U rack mounting on slide-out rails	
Series	L	LS
Diagonal Size	20" TFT	20" TFT
Max. Resolution	1600 x 1200	1152 x 900 (Direct)
		1600 x 1200 (Native)
Brightness (cd/m ²)	300	300
Color Support	16.7 M	16.7 M
Contrast Ratio (typ.)	800:1	800:1
Viewing Angle (H/V)	178° x 178°	178° x 178°
Display Area (mm)	408 x 306	408 x 306
Tr Response Time (ms)	7	7
LCD Panel MTBF (hrs)	45,000	45,000
VGA Signal Input	Analog RGB, 0.7Vp-p	
Sync. Type	Separate H/V, Composite, SOG	
Resolution	720 x 400, 70 Hz	
	640 x 480, 60/ 70/ 72/ 75 Hz	
	800 x 600, 60/ 70/ 72/ 75 Hz	
	1024 x 768, 60/ 70/ 75 Hz	
	1152 x 864, 60/ 70/ 75 Hz	
	1280 x 720, 60/ 75 Hz	1280 x 720, 60 Hz
	1280 x 1024, 60/ 70/ 75 Hz	1280 x 1024, 60/ 75 Hz
	1400 x 1050, 60 Hz	
	1600 x 1200, 60 Hz	
	-	1152 x 900, 60/ 76 Hz
Plug & Play DDC	EDID 1.3	
Console Port (Combo)	DB-15 connector for VGA / keyboard / mouse (Combo interface)	DB-15 connector for VGA / keyboard / mouse Support USB servers or Combo KVM switches
Power Input	Auto-sensing 100 to 240VAC, 50 / 60Hz	
Power Consumption	Max. 48 Watt, Standby 5 Watt	
Compatibility	Multi-platform - Mix PCs, SUNs, IBMs, HPs & DELLs.	
Regulation Approval	FCC, CE, PSE, PUK	

Options

KVM Integration	Matrix & combo KVM with IP console and 2-console selection	
Keyboard & mouse	Full size keyboard integrated with touchpad & 2 buttons mouse interchangeable module kit	SUN-compatible keyboard integrated with 3-button touchpad / trackball
Graphic Input	DVI-D, BNC & S-Video input	-
DC Power	DC power input with 12V, 24V, 48V selection	

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

Item Description		
Form Factor	1U rack mounting on slide-out rails	
LCD Manufacturer		-
Series	W	WS
Diagonal Size	Wide 19" TFT	Wide 19" TFT
Max. Resolution	1440 x 900	1152 x 900 (Direct)
		1440 x 900 (Native)
Brightness (cd/m ²)	300	300
Color Support	16.7 M	16.7 M
Contrast Ratio (typ.)	1000:1	1000:1
Viewing Angle (H/V)	160° x 160°	160° x 160°
Display Area (mm)	408 x 255	408 x 255
Tr Response Time (ms)	1.3	1.3
LCD Panel MTBF (hrs)	50,000	50,000
VGA Signal Input	Analog RGB, 0.7Vp-p	
Sync. Type	Separate H/V, Composite, SOG	
Resolution	720 x 400, 70 Hz	
	640 x 480, 60/ 70/ 72/ 75 Hz	
	800 x 600, 60/ 70/ 72/ 75 Hz	
	1024 x 768, 60/ 70/ 75 Hz	
	1152 x 864, 60/ 70/ 75 Hz	
	1280 x 720, 60/ 70/ 75 Hz	1280 x 720, 60/ 75 Hz
	1280 x 1024, 60/ 70/ 75 Hz	1280 x 1024, 60/ 75 Hz
	1440 x 900, 60 Hz	
	-	1152 x 900, 66 Hz
Plug & Play DDC	EDID 1.3	
Console Port (Combo)	DB-15 connector for VGA / keyboard / mouse (Combo interface)	DB-15 connector for VGA / keyboard / mouse Support USB servers or Combo KVM switches
Power Input	Auto-sensing 100 to 240VAC, 50 / 60Hz	
Power Consumption	Max. 48 Watt, Standby 5 Watt	
Compatibility	Multi-platform - Mix PCs, SUNs, IBMs, HPs & DELLs.	
Regulation Approval	FCC, CE, RoHS, UL*	

* Note: ERW / ERWS series in single console, with Combo Cat6 KVM or Combo DB-15 KVM integration is UL approved

Options

KVM Integration	Matrix & combo KVM with IP console and 2-console selection	
Keyboard & mouse	Full size keyboard built-in touchpad / trackball	SUN-compatible keyboard integrated with 3-button touchpad / trackball
Graphic Input	DVI-D, S-Video & BNC input	-
DC Power	DC power input with 12V, 24V, 48V selection	

Environmental

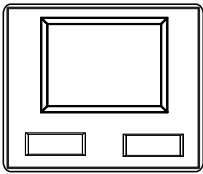
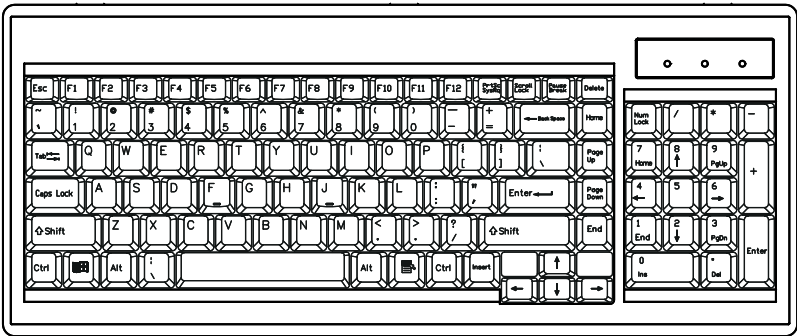
Operation	0° to 50°C Degree
Storage	-5° to 60 °C Degree
Relative Humidity	5~90%, non-condensing
Shock	10G acceleration (11ms duration)
Vibration	5~500Hz 1G RMS random vibration

3.2 Keyboard & Mouse

For ERL-20 Series

Chapter 3

Supporting layouts



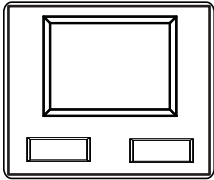
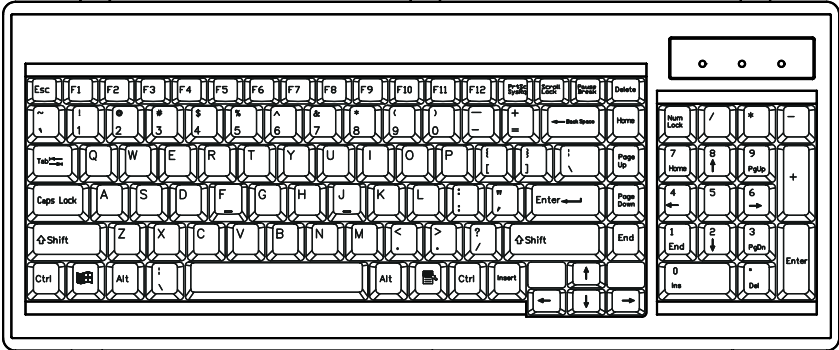
N N keyboard integrated with touch pad
& 2 buttons mouse interchangeable module kit

3.2 Keyboard & Mouse

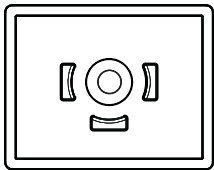
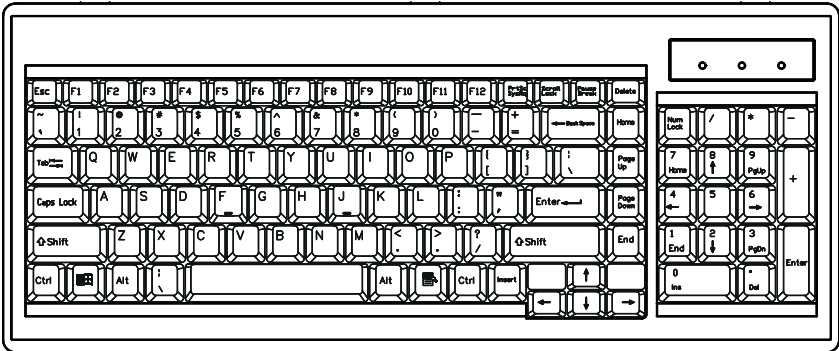
For ERW-19 Series

Chapter 3

Supporting layouts



N N keyboard integrated with touch pad



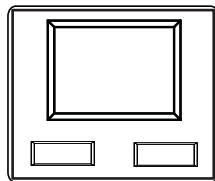
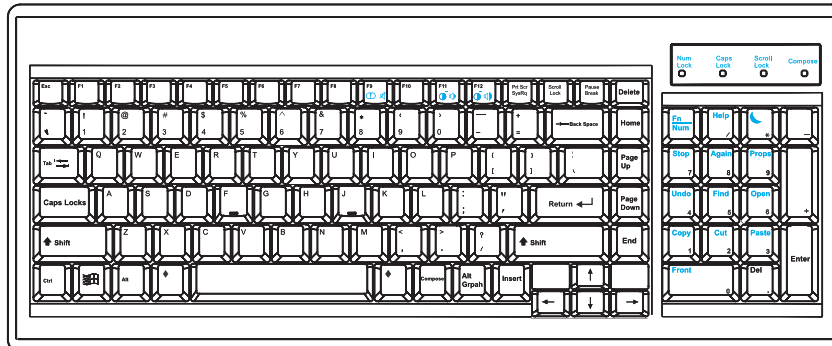
B Ó keyboard integrated with track ball

For ERLS-20 & ERWS-19 Series

Supporting layouts



SN

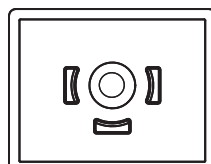
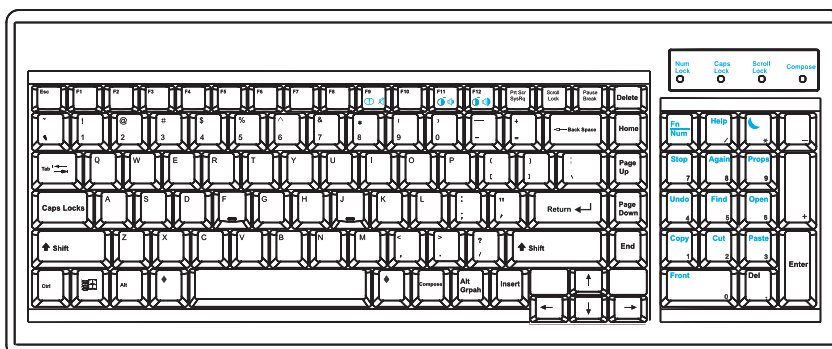


SN keyboard integrated with touch pad



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

SB

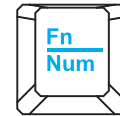
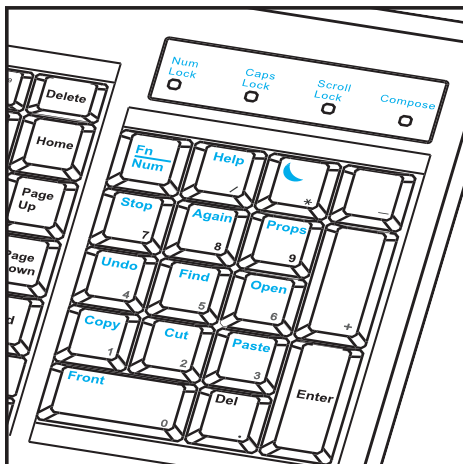


SB keyboard integrated with track ball

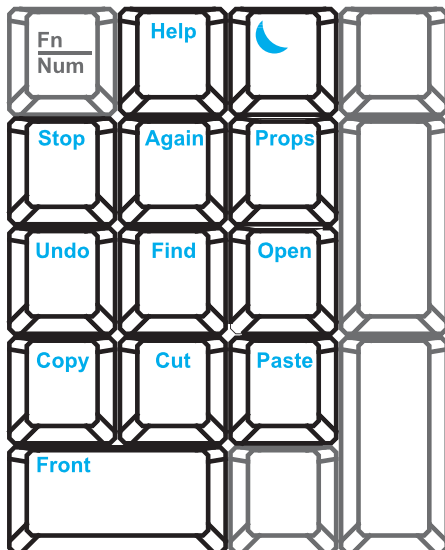


- Incorporates Sun keys including Stop, Cut, Paste, Compose, Copy and Help
- 104 key notepad keyboard with full numerical pad and SUN function
- USB interface

- The ERLS/ERWS Sun compatible keyboard incorporates Sun-specific command keys

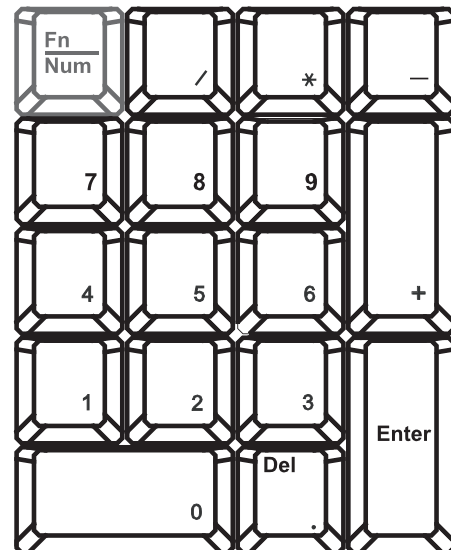


- Press the Fn/Num button to switch the color the Num LED.



Num LED in Off mode

Key pad behaves as a SUN Solaris system administration command mode

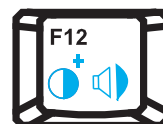
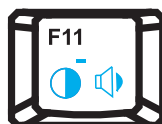
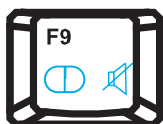


Num LED in Green color

Keypad behaves as a normal keypad mode

Three Audio / Display keys are located in the upper-right corner of the SP40 keyboard:

- Audio : Mute, decrease volume, increase volume.
- Display : Degauss, decrease contrast and increase contrast.
- Please ask your supplier for full details



4.1 KVM Options

Chapter 4

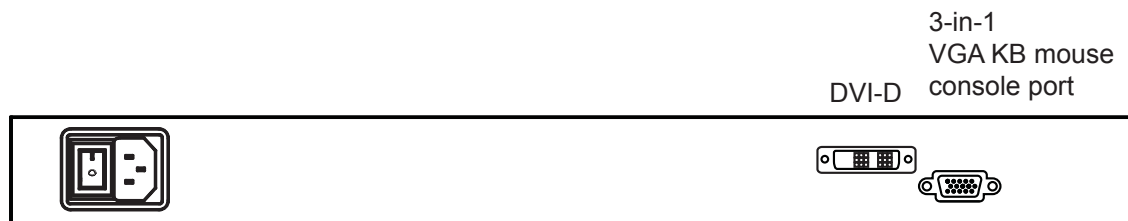
Our KVM is designed to seamlessly integrate into the rear of our full range of LCD drawer solutions:

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

Please Note:

- The KVM is designed to be used with a standard PC or laptop. It is not designed to be used with a server or a thin client.

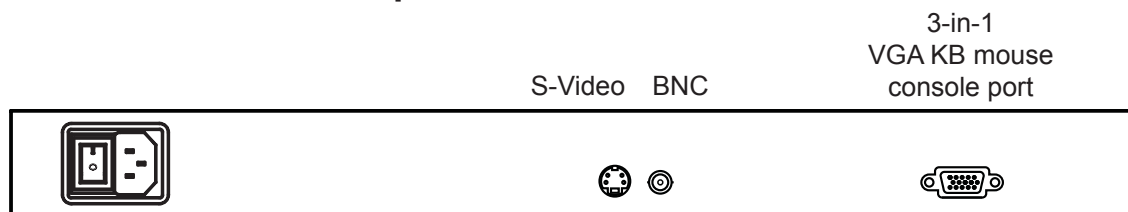
4.2 DVI-D Option



Please Note:

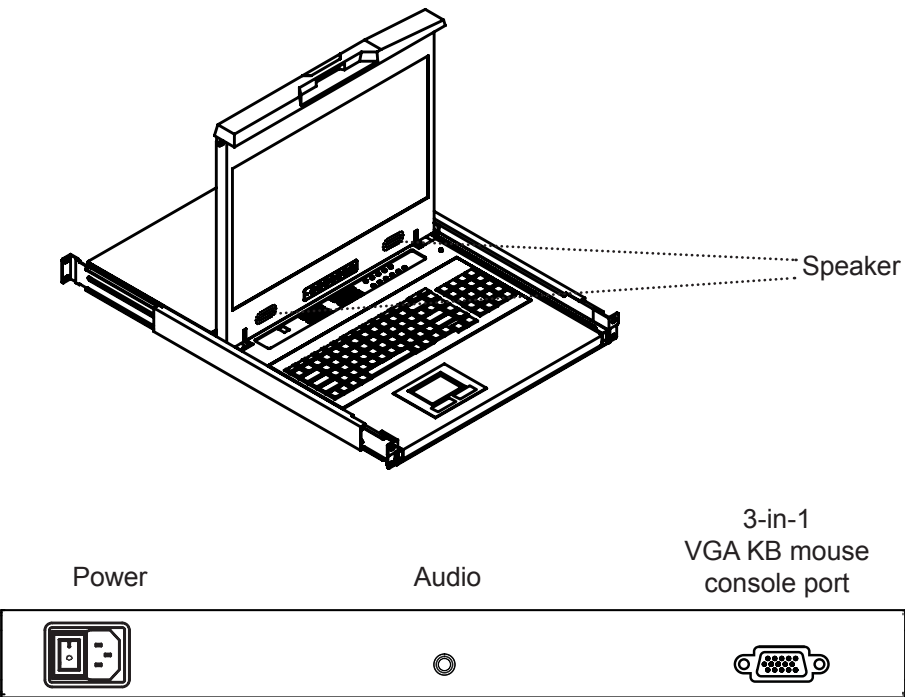
- Package includes 1 x 6ft DVI-D cable

4.3 BNC + S-Video Option



Please Note:

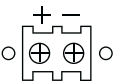
- Package includes 1 x 6ft S-Video cable



Please note:

- Audio input is 35mm audio plug
- The speaker is sharing the same power with LCD.

4.5 DC Power Options



Model	12V	24V 48V	
Input rating			
Input voltage:	12-Volt	24-Volt	48-Volt
Input range:	9 ~ 18V	18 ~ 36V	36 ~ 75V
Input current			
- No load	50 mA	50 mA	50 mA
- Full load	4950 mA	2450 mA	1220 mA
Output rating			
Output voltage:	12-Volt	12-Volt	12-Volt
Output current:	4.16A	4.16A	4.16A
Eff ciency	84%	85%	85%

Please Note:

- Power cabling is not included with DC Power option

1. Is an interference signal appearing on the LCD normal when shutting down the computer?

In rare cases, interference may appear on the monitor. This may be caused by signal rate of VGA card and is considered normal. The image quality can be improved by adjusting the phase or pixel rate automatically or manually.

2. The membrane power light is not lit?

Press the power On / Off on LCD membrane to check if the monitor is in the ON mode.

Check the power cord is properly connected to the LCD keyboard drawer and power outlet.

3. Screen image is not centered or sized properly

Press the  button for two seconds to automatically adjust the image.

Adjust the H-position and V-position settings via On-screen menu.

4. Is the LCD keyboard drawer hot-pluggable?

The LCD keyboard drawer is hot-pluggable, but components of connected devices, such as the servers and KVMs, may not be hot-pluggable. We suggest turning off the power to all devices before connecting them. Apply power to connected devices again only after the LCD keyboard receives power.

5. How do I adjust the resolution?

To change monitor resolution, click Start -> Control Panel -> Display. Select Setting tab to adjust the monitor resolution in Desktop Area. The available resolutions, "640 x 480", "800 x 600", "1024 x 768", "1152 x 864", "1280 x 1024", "1440 x 900", are determined by the display card in your computer.

For ERLS-20 & ERWS-19

1. How can I adjust the monitor resolution to 1152 x 900 for SUN Micro systems?

The LS and WS LCD keyboard drawer will automatically detect the 1152 x 900 resolution, so no user configuration should be necessary.

2. How do I adjust the resolution in MS Windows operation system?

To change monitor resolution, click Start -> Control Panel -> Display. Select Setting tab to adjust the monitor resolution in Desktop Area. The available resolutions, "640 x 480", "800 x 600", "1024 x 768", "1152 x 864", "1280 x 1024", are determined by the display card in your computer.

3. The Stop-A hot key is not working in Trusted Solaris

The keyboard combination Stop-A (L1-A) is not available in Trusted Solaris by default. The security administrator can change this.

Model	Product Dimension (W x D x H)	Packing Dimension (W x D x H)	Net Weight	Gross Weight
ERL-20	442 x 650 x 44 mm 17.4 x 25.6 x 1.73"	589 x 856 x 168 mm 23.2 x 33.7 x 6.6"	20 kg 44 lb	26 kg 57 lb
ERLS-20	442 x 650 x 44 mm 17.4 x 25.6 x 1.73"	589 x 856 x 168 mm 23.2 x 33.7 x 6.6"	20 kg 44 lb	26 kg 57 lb
ERW-19	442 x 600 x 44 mm 17.4 x 23.6 x 1.73"	581 x 755 x 172 mm 22.9 x 29.7 x 6.8"	20 kg 44 lb	26 kg 57 lb
ERWS-19	442 x 600 x 44 mm 17.4 x 23.6 x 1.73"	581 x 755 x 172 mm 22.9 x 29.7 x 6.8"	20 kg 44 lb	26 kg 57 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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