Lanner Rail Mounting for 1U chassis
User Manual

Rev 2.0 July 10, 2013

Revision History

Rev	Date	Changes
1.0.1	March 30, 2011	Initial version
2.0.1	July 10, 2013	Change the screw pack contents
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About this document

Purpose

The purpose of this document is to provide installation information for Lanner rail mounting.

Intended audience

This document is for individuals who install and mount platforms with Lanner rail mount kit.

Conventions used

Following are all the special characters and typographical conventions used in this manual:

Convention	Meaning
Press Enter	Means press the Enter or Return key or its equivalent on your computer.
	Note: introduces important additional information.
	Caution: warns that a failure to follow the recommended procedure could result in loss of data or damage to equipment.

Chapter 1. Installation Environment Precaution

1. Elevated Operating Ambient - If installed in a closed or multi-unit rack assembly, the operating ambient temperature of the rack environment may be greater than room ambient. Therefore, consideration should be given to installing the equipment in an environment compatible with the maximum ambient temperature (Tma) specified by the manufacturer.

2. Reduced Air Flow - Installation of the equipment in a rack should be such that the amount of air flow required for safe operation of the equipment is not compromised.

Mechanical Loading - Mounting of the equipment in the rack should be such that a hazardous condition is not created due to uneven mechanical loading.

3. Circuit Overloading - Consideration should be given to the connection of the equipment to the supply circuit and the effect that overloading of the circuits might have on over-current protection and supply wiring. Appropriate consideration of equipment nameplate ratings should be used when addressing this concern.

4. Reliable Earthing - Reliable earthing of rack-mounted equipment should be maintained. Particular attention should be given to supply connections other than direct connections to the branch circuit (e.g. use of power strips)."

CAUTION :

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

Chapter 2. Package Contents

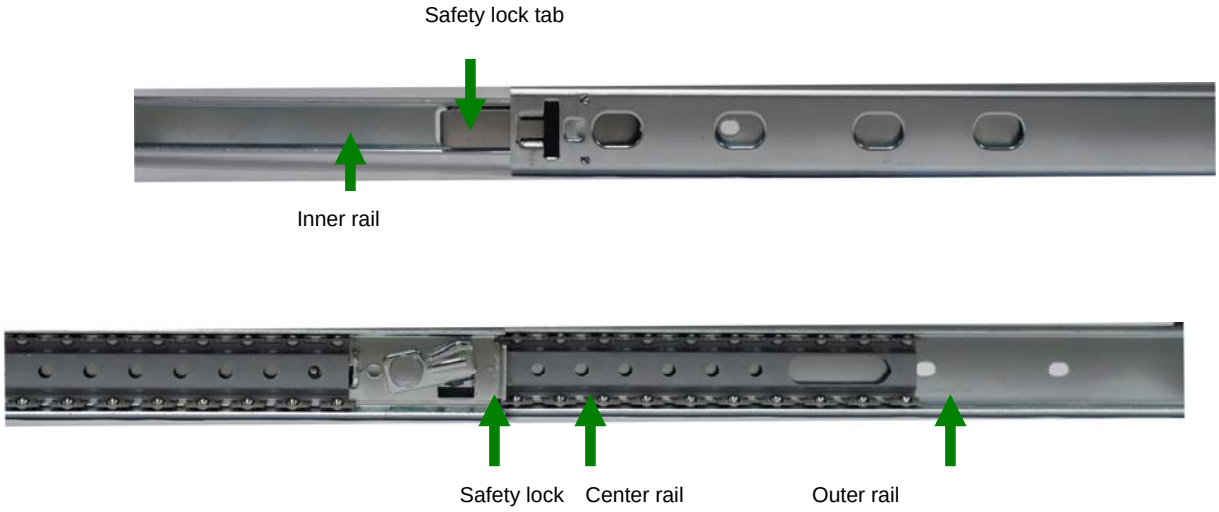
	-Four L-shaped brackets Two sliding rails (which can be separated into inner and outer rails): -The inner rail has a safety lock tab for extension safety lock. -The outer rail also comprises a slide to extend its length. And it has an extension safety lock as well.
A B C 	-8 short flat-head screws (A) (P/N: 070W101000601) -8 longer flat head screws and 8 nuts (B) (P/N: Nut: 070W307000001, Screw: 070W101001002) -12 flat countersink screws and 12 conical washers (C) (P/N: Washer: 070W000000001, Screw: 070W102001001)
	Front ear bracket installation package (comes with the device package)

Chapter 3. Rail Mount Installation

3.1 Separating the inner rail from the outer rail

To install the inner rail, separate it from the middle rail first. Use the following procedures:

1. Place the rail as shown below.
2. Press the safety lock tab and pull the inner rail from the middle rail until they completely separate.

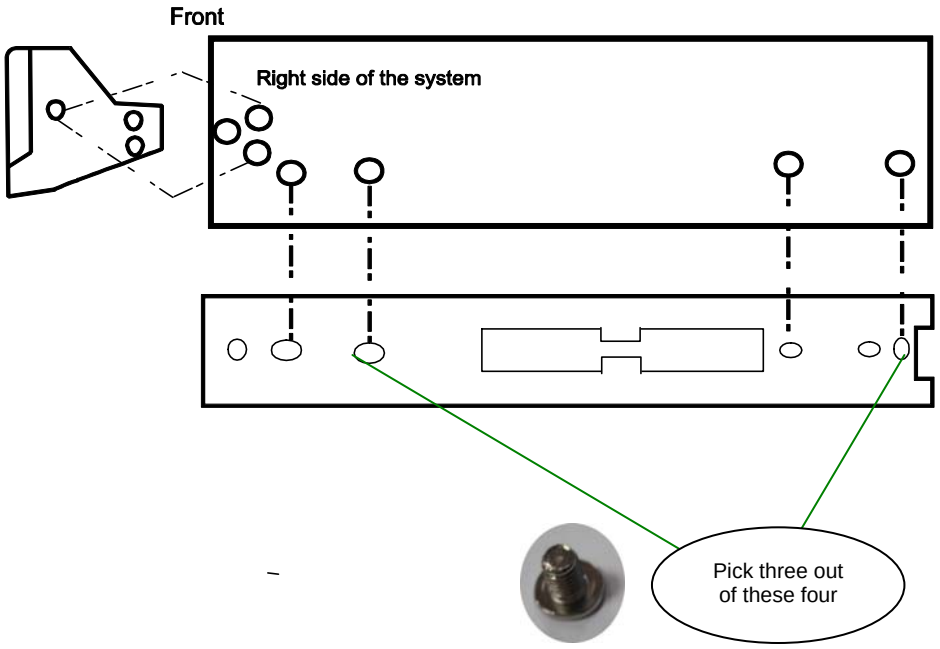


3.2 Attaching the inner rails to the system

Use the following procedures to attach the inner rails to the chassis.

1. Position the inner rail adjacent to one side of the system's chassis. Make sure that the safety lock tab faces out, and that the notched end of the rail is located at the rear of the unit as shown in the following diagram.

2. Align the screw holes in the rail and the mounting holes on the chassis and then attach the inner rail to the system with three of the short flat-head screws (A).
3. Attach the front ear bracket to the system.
4. Repeat these steps to attach the other inner rail and front ear bracket to the other side.

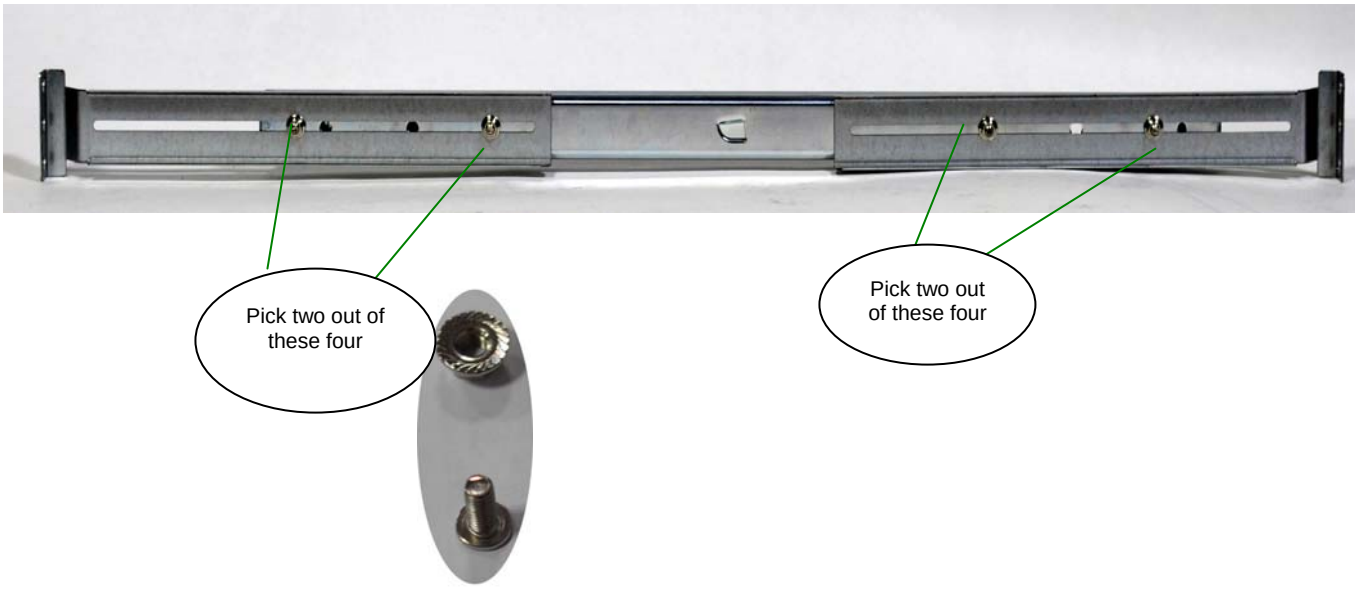


3.3 Attaching the L-shaped bracket to the outer rails

Use the following procedure to attach the L-shaped bracket to the outer rails.

1. The L-shaped bracket is for securing the outer rails to the rack. You should attach the L-shaped brackets to the outer rails first.
2. Use two longer flat head screws and two nuts (B) to connect an L-shaped bracket to the outer rail through any two of the four holes at the end of the outer rail. Position each nut on the outside of the bracket, and attach a screw from the inside of the outer rail through the bracket. Do not tighten the nut yet because you will need to adjust the location of the rear bracket for the depth of your rack. Depending on the depth of your rack, you can position the bracket to meet the depth of the rack.

3. The outer rail includes a center rail that slides back and forth. Slide the center rail to expose the screw holes at the other end of the rail. Use the same steps to attach second L-shaped bracket to the other end of the outer rail.
4. Repeat these steps to attach the other two L-shaped brackets to the other outer rail.



Note: You will only need to secure “two” out of these four screw holes for each L-shaped bracket to mount the outer rail safely. Extra holes are for compensating different mechanical designs.

3.4 Mounting the outer rails to the rack

Use the following procedures to mount the outer rails to the rack.

1. Install the outer rail with the attached bracket to the front rack post by using two countersink screws and conical washers (C).
2. Extend and adjust the rear bracket to meet the depth of the rack and secure it to the rack post with two countersink screws and conical washers (C).
3. Repeat step 1 and 2 above to install the other rail to the other side of the rack.
4. You may use a wrench to tighten the nuts and the screws that attach the L-shaped brackets to each of the rails.

3.5 Installing the system to the rail

1. Pull out the center rail until the extension safety lock is locked.
2. Hold the system with its front facing you, lift the chassis and carefully insert the system by sliding the inner rail into the outer rail. Push the chassis all the way toward the back until the front ear brackets contact the rack.
3. You may also fix the front ear brackets to the rack if the system doesn't require frequent pulling out of the rack.