



**Lanner Slide-rail Installation  
User Manual**

Rev 1.1

September 11<sup>th</sup>, 2015

## Revision History

Rev	Date	Descriptions
1.0	June 2 <sup>nd</sup> , 2015	Official release
1.1	September 11 <sup>th</sup> , 2015	Added Slide kits for Future System – Long Ear type Added HTCA type slide kit

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# About This Manual

The purpose of this document is to provide installation instructions for Lanner network appliance rackmount. The contents of this manual are intended for individuals with some levels of engineering knowledge and background.

This manual covers instructions all current types of Lanner's slide-rail kits and is subject to change without notice.

## Precautions:

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 (T<sub>ma</sub>) 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)."

# Slide Kit 444mm Width

**Applied Models: FW-8893, FW-8895, FX-3210**

**Lanner Part Number: 098W000300001**

## Package Contents

The supplied mounting kit shall include the following items:

2 x Slide rails

2 x Inner brackets

Top Side



Bottom Side



1 x bag of screws for the rails and brackets



# Beginning Rackmount Installation

## Attaching the Inner Brackets

1. Start with one slide rail.
2. Place it with the bottom side facing up
3. Follow the image below to slide inner bracket out.



4. Up to this step, there should be two inner brackets: one originally supplied in the kit and another is separated from the slide rail as instructed in previous steps.



5. Attach the inner brackets to the side chassis of FW-8893. Remember to align the screw holes between the chassis and the inner brackets.



6. Lock the bracket onto the chassis with supplied screws. (Screws in different dimensions may not be able to securely attach the inner bracket).



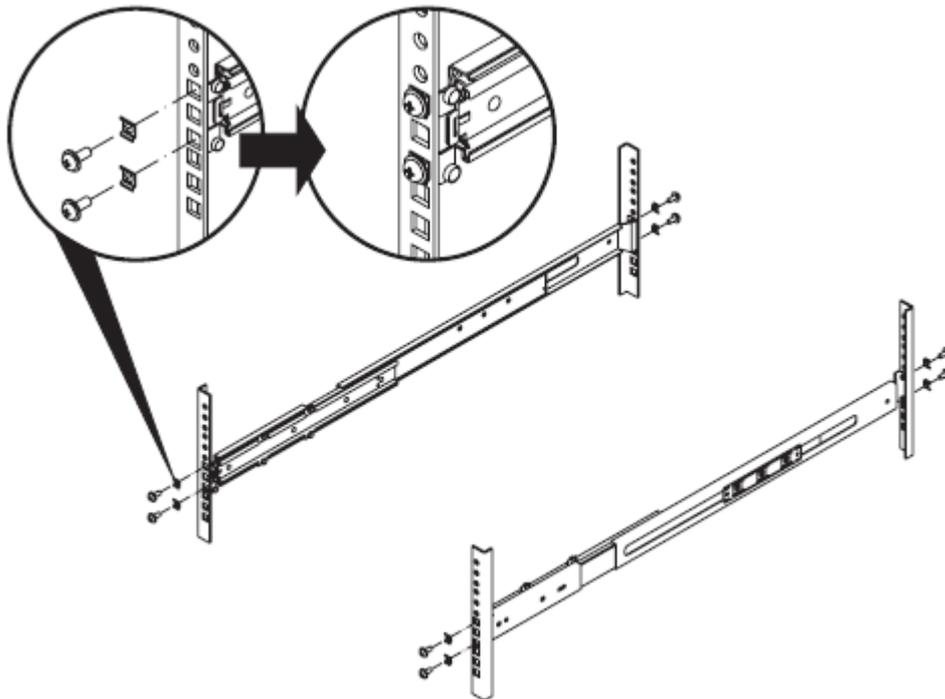
7. Do the same with another inner bracket to attach the rest of the area of the same side chassis.



8. Repeat the steps 1-7 for another pair of inner brackets.

## Installing Slide Rails

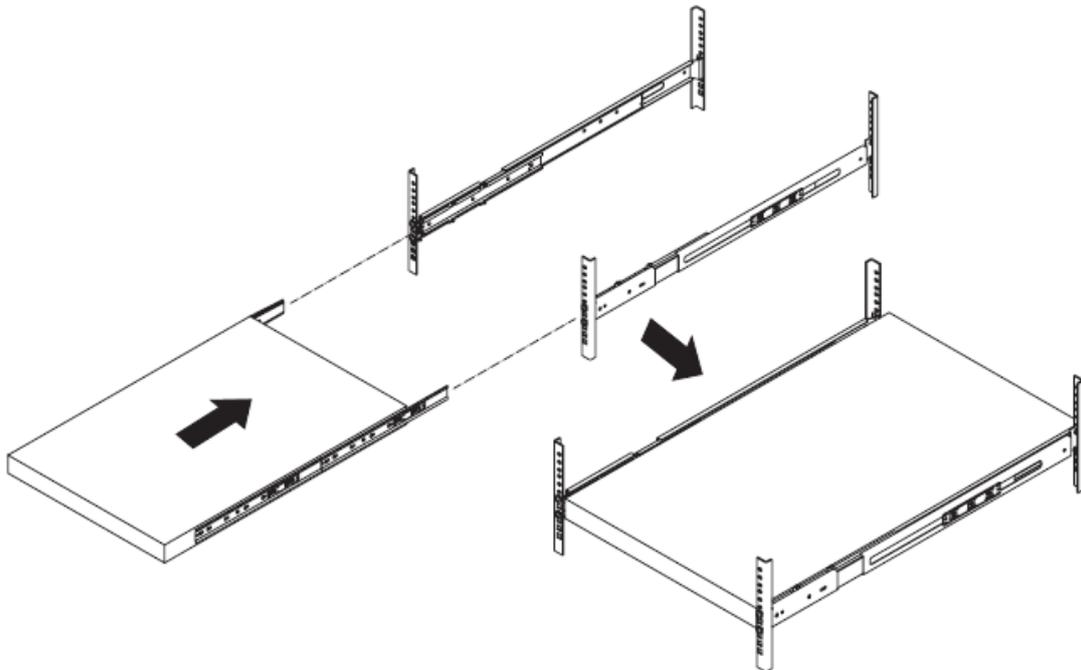
1. Use two rack screws (rack screws are not included in this mounting kit) to fix the slide rail onto the rack. It is recommended to leave the middle one to allow for adjustments.
2. Do the same for another end of the slide rail.
3. Repeat steps 1-2 for another slide rail.



## Install Applicable Model Onto the Rack

1. Pull out the center rail until the extension safety lock is fixed.
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. Slide the chassis all the way towards the back until the front ear brackets contact the rack.

**Notes:** it is recommended to undertake this step by two-person for safety purposes.



3. You may also fix the front ear brackets to the rack if the system doesn't require frequent pulling out of the rack.

# Slide Kit at 438mm Width

**Applied Models: FW-8877, FW-8896, FW-8759, NCA-5510**

**Lanner Part Number: 098W000300001**

## Package Contents

The supplied mounting kit shall include the following items:

2 x 438mm Slide-Rails

1 x pack of screws



## Beginning Rackmount Installation

### Attaching the Inner Brackets

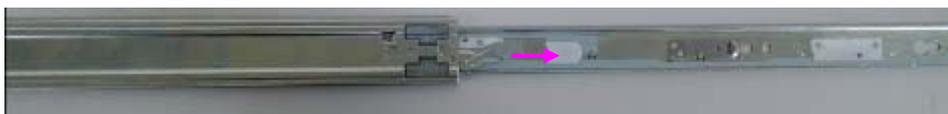
1. Turn a slide rail upside down and release the inner bracket.



2. Slide the inner bracket all the way up to end of the slide-rail assembly. You may hear a “click” sound.



3. Push the white slide-rail lock outwards as the arrow of direction below. Then pull the inner bracket out of the slide-rail assembly.



4. Release the inner bracket as shown below.



5. Align the inner bracket to the side of the chassis and make sure the screw-holes are matched. Then secure the bracket onto the chassis with provided screws.





6. Repeat Steps 1 to 5 for another slide-rail and attach its inner bracket onto another side of the chassis.



## Installing Slide Rails

1. In the previous section, you have already detached the inner brackets and attached them onto the chassis of your purchased model. By now, you shall install the slide-rail assemblies onto the rack.

As the image below, this slide-rail kit does NOT require screw-fixing. Simply aim at 3 available screw holes on the rack-front and lock it by clipping the slide-rail assembly to the rack-front as shown in the image below. You should hear a “click” sound once it is firmly attached.



2. For the rear rack installation, also aim at 3 available holes and click the slide-rail assembly onto the rear rack.



3. Repeat Step 1 and 2 for another slide-rail assembly in order to install in onto the rack.



## Install Applicable Model Onto the Rack

Reminder: it is strongly recommended to carry out this procedure with two or three persons.

1. Hold the applicable model with its front facing you, lift the chassis and gently insert the model by aligning with the slide-rail assemblies, as shown in the image below. Then push the model as far as possible.



2. Simultaneously push the release tabs on both sides in the arrow of direction below, while pushing the appliance into the end of the rack.

Caution: the appliance will be locked during the half way of sliding-in if the release tabs are not pushed.



3. Completed.



4. To slide the appliance out, gently pull it outwards. Then, press the slide-rail locks on both side and slide the appliance out.



Notes: the process of sliding-in and sliding-out should be smooth. If not, please adjust the mounting tips.

# Slide Kit for Future System

**Applied Models: Future System OEM/ODM models**

**Lanner Part Number: 098W000300001**

## Package Contents

The supplied mounting kit shall include the following items:

2 x Inner Brackets

4 x Rack-assembly Brackets

1 x Pack of Screws and Cage Nuts

4 x Rack-assembly Pads

1 x pack of screws



## Beginning Rackmount Installation

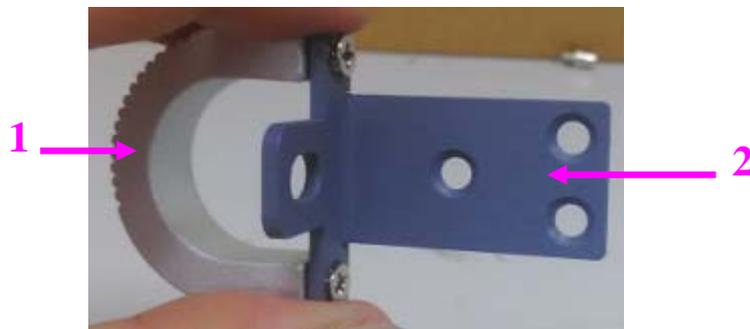
### Attaching the Inner Brackets

1. Take an inner bracket and align it to the side of the chassis.
2. Secure the inner bracket with supplied screws.



3. Repeat Step 1 and 2 for another inner bracket to attach on the other side of the chassis.

4. Prepare the ear bracket set. Connect Piece 1 and Piece 2 with screws.



5. Attach the ear bracket to the front of the chassis on one side.

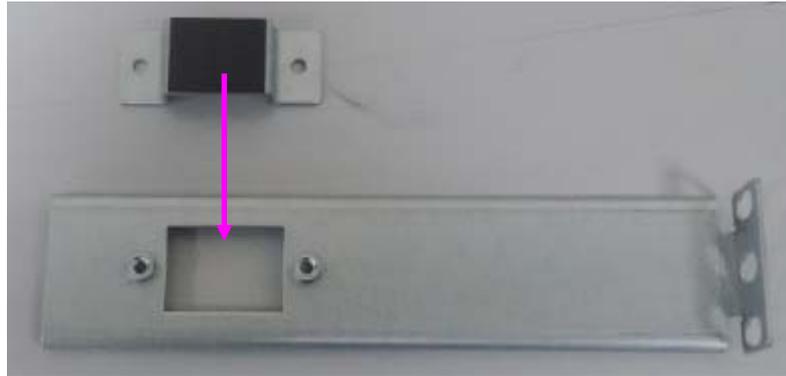


6. Repeat Step 4 and 5 for another ear bracket set to attach to the front of the chassis

on the other side.

## Installing Slide Rails

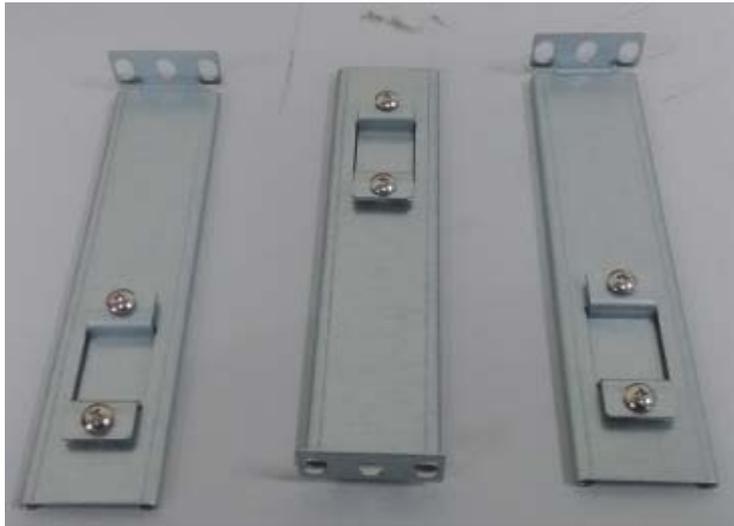
1. Prepare a rack-assembly bracket and its corresponding pad. Attach the pad onto the bracket as shown in the images below.



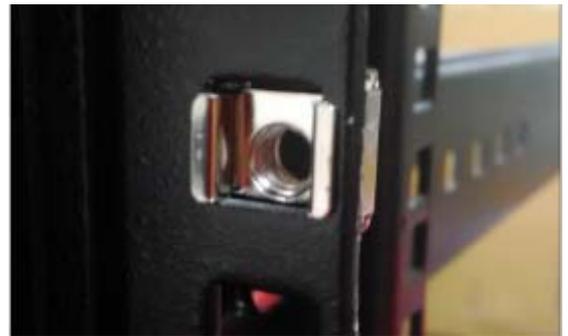
2. Apply screws. Remember, do NOT totally secure the screws. Doing so will cause obstacles during sliding-in process.



3. Do the same for the other 3 assembly-pad sets.



4. Apply the included cage nuts onto the rack. It is recommended to install 2 cage nuts on each side of the rack. Leave the middle one open.



5. Install the rack assembly brackets onto the rack by using two screws. It is

recommended to leave the middle screw-hole open. Repeat the bracket installations for both front and rear, as well as both sides of the rack.



## Install Applicable Model Onto the Rack

Reminder: it is strongly recommended to carry out this procedure with two or three persons.

1. Hold the applicable model with its front facing you, lift the chassis and gently insert the model by aligning with the slide-rail assemblies, as shown in the image below. Then push the model as far as possible.



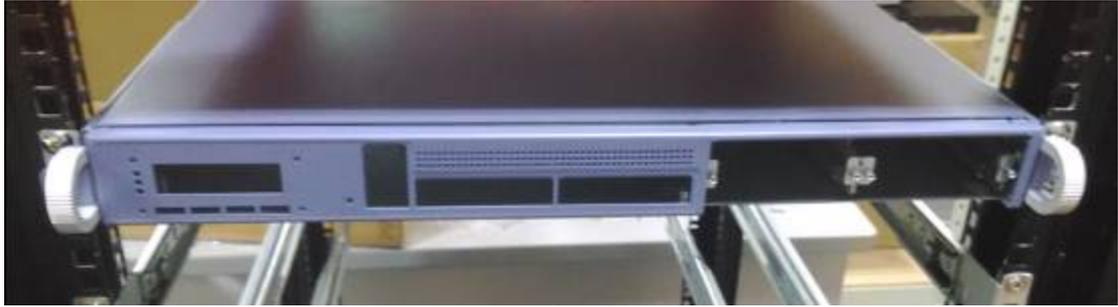


2. Then, aim for the rear rack-assembly brackets.



3. Gently push the model to the end of the rack to complete the installation. To slide

the model out, just pull the ear brackets outwards slowly.



# Slide Kit for Future System - Long Ear

## Type

**Applied Models:** Future System OEM/ODM models

**Lanner Part Number:** xxxxxxxxxxxxxxxxxxxxxx

## Package Contents

The supplied mounting kit shall include the following items:

2 x Long ear slide rails, with one inner bracket each

1 x pack of screws



## Beginning Rackmount Installation

### Attaching the Inner Brackets

1. Take an inner bracket out from the slide rail as instructed in the image below.



2. Align it to the side of the chassis and secure the inner bracket with supplied screws.

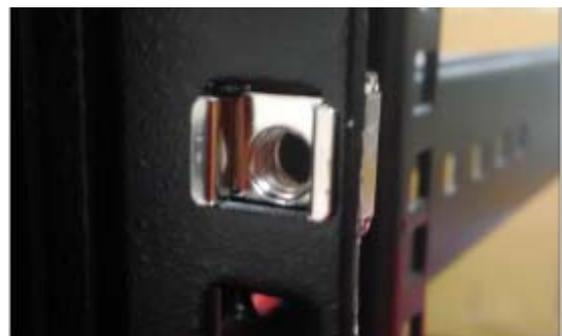


Notes: there is a “F” printed at the front end of the inner bracket, indicating “Front”. Please position the inner bracket with the “F” logo attached to the front side of the chassis.

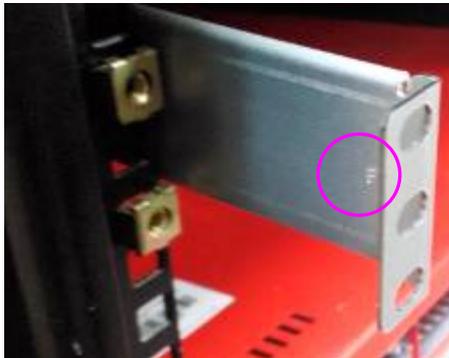
3. Repeat Step 1 and 2 for another inner bracket to attach on the other side of the chassis.

## Installing Slide Rails

1. Apply the included cage nuts onto the rack. It is recommended to install 2 cage nuts on each side of the rack. Leave the middle one open. You shall install a total number of 8 cage nuts: 4 on the front (2 for the left and 2 for the right), and 4 on the rear (2 for the left and 2 for the right).



2. Install the rack assembly brackets onto the rack by using two screws. It is recommended to leave the middle screw-hole open.
3. Repeat the bracket installations for **both front and rear**, as well as **both sides of the rack**.

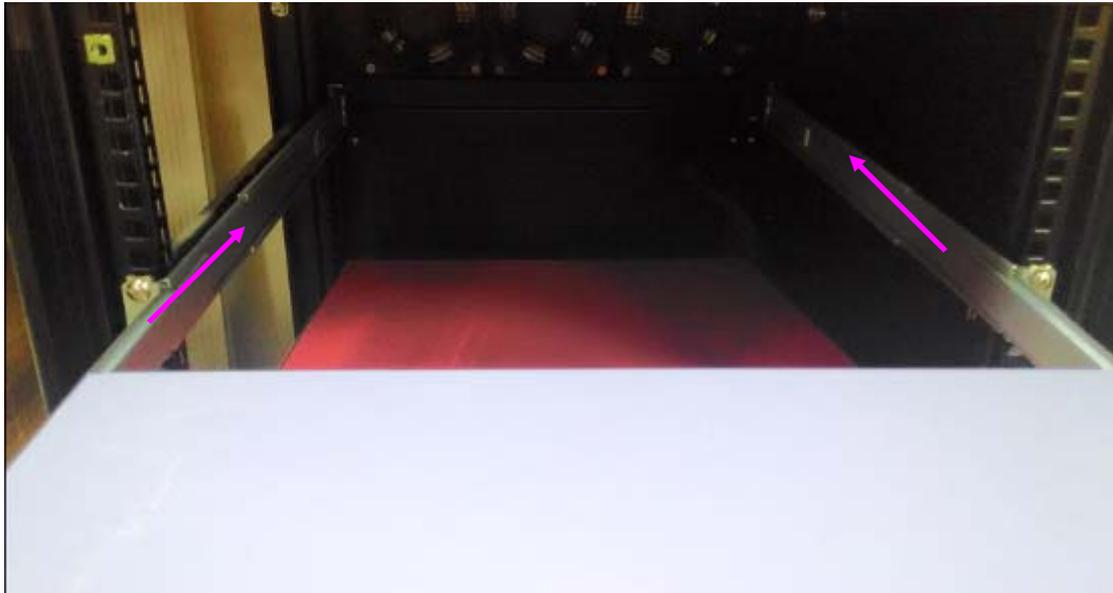


Notes: there is an “F” printed at the front end of the slide rail, indicating “Front”. Please position the inner bracket with the “F” logo attached to the front side of the rack.

## Install Applicable Model Onto the Rack

Reminder: it is strongly recommended to carry out this procedure with two or three persons.

1. Hold the applicable model with its front facing you, lift the chassis and gently insert the model by aligning with the slide-rail assemblies, as shown in the image below. Then push the model as far as possible.



2. Gently push the model to the end of the rack to complete the installation. To slide the model out, just pull the ear brackets outwards slowly.



# Slide Kit for HTCA Models

**Applied Models:** HCP-72i1, HCP-72i2, FX-7220, and FX-3710

**Lanner Part Number:** xxxxxxxxxxxxxxxxxxxx

## Package Contents

The supplied mounting kit shall include the items in the image below:



## Beginning Rackmount Installation

### Attaching the Inner Brackets

1. Extend the inner bracket of each slide rail.



2. Turn the slide rail upside down and push the black arrow-shaped slide rail lock as the arrow of direction below.



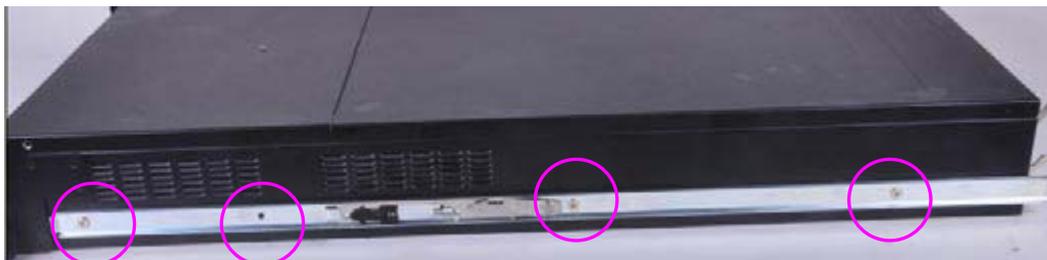
3. Separate the inner bracket from the slide rail.



4. Align the inner bracket to the side of the chassis. Make sure the screw holes of the inner bracket match with the ones on the side of the chassis.



5. Securely attach the inner bracket to the side of the chassis by applying screws.



6. Repeat step 1 to 6 for another slide rail and for the other side of the chassis.

## Installing Slide Rails Onto the Rack

1. Install 2 cage nuts for both left and right of the rack, as well as front and rear of the rack. Remember to leave the middle holes open. You shall install a total number of 8 cage nuts: 4 on

the front (2 for the left and 2 for the right), and 4 on the rear (2 for the left and 2 for the right).



2. Install the slide rails to each side of the racket as the image below. Make sure the screws are firmly applied.



## Installing HCP-72i1 Onto the Rack

1. Insert the network appliance with the front facing you. Make sure the chassis-attached inner brackets accurately match the slide rails installed on the rack.

Notes: it is strongly recommended to conduct this action with two or more persons.



2. Make sure the inner brackets on the chassis match the slide rails on the rack.



3. Gently push HCP-72i1 through the rails.

4. The device may be locked during the mid way. Remember to adjust the rail lock so that you can continue to push the appliance to the end of the rack.



5. To bring the appliance out of the rack, use the two on the rail circled in the image below.

When sliding the device out, remember to do it slowly.

Notes: it is strongly recommended to conduct this action with two or more persons.

