


Quick Reference

For Installing a TIBCO Messaging Appliance™ P-7500

revised November 2012

To install a TIBCO Messaging Appliance P-7500 system, complete the following steps in the specified order.

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

Note: For detailed instructions on preparing the site, installing, configuring, and starting the appliance, refer to *TIBCO Messaging Appliance P-7500 Hardware Installation*.

A rack kit is supplied with the P-7500 system for a four-post 19 in. rack with vertical rails. Only four-post mounting is recommended for the P-7500 system due to its weight.

The rack kit consists of:

- two chassis mounting brackets with handles
- eight No. 8 Phillips screws to attach the mounting brackets
- eight No. 6 pan-head Phillips screws to attach the inner rails to the chassis
- a slide assembly hardware package. In this package there are two inner rails and two slide assemblies that can be adjusted for a rack depth of 22.5 to 38 in. These are required items.
Note: This package also contains four L brackets, ten M4 pan-head screws, and 16 M5 pan-head screws. These are extra items that could possibly be used to secure the slide assembly mounting-bracket flanges to the rack posts. If these items are not suitable for your rack posts, they can be discarded.

1. Install the Mounting Brackets and Inner Rails

To install the mounting brackets and inner rails on the chassis:

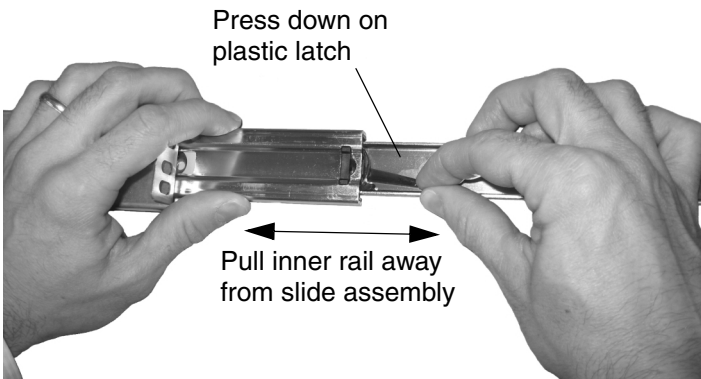
Step 1 Attach the mounting brackets to both sides of the front of the system chassis using the provided flat-head No. 8 Phillips

screws—four screws per side are needed. Fully tighten using a No. 2 Phillips screwdriver.



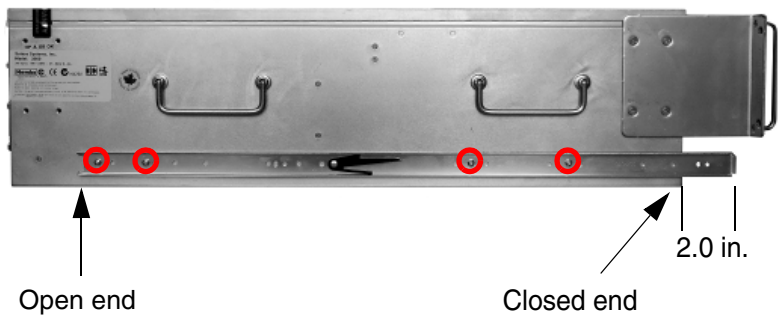
Step 2 Extend the inner rails from the slide assemblies until the plastic release latches are visible.

Step 3 For each extended slide assembly, push down on the plastic release latch while pulling on the inner rail to remove it from the slide assembly.




Step 4 Install the inner rails on both sides of the system chassis, at the bottom, with the open end of the rails towards the back of the chassis. The closed end of the rails should extend approximately two inches from the front of the chassis. Use a No. 2 Phillips screwdriver to fully tighten the provided No.

6 pan-head Phillips screws (four screws per side) in the positions shown below.



2. Adjust and Install the Slide Assemblies in the Rack

Before installing the slide assemblies in the rack, choose a location in the rack that has easy access to the connections the system needs for power and local communications.

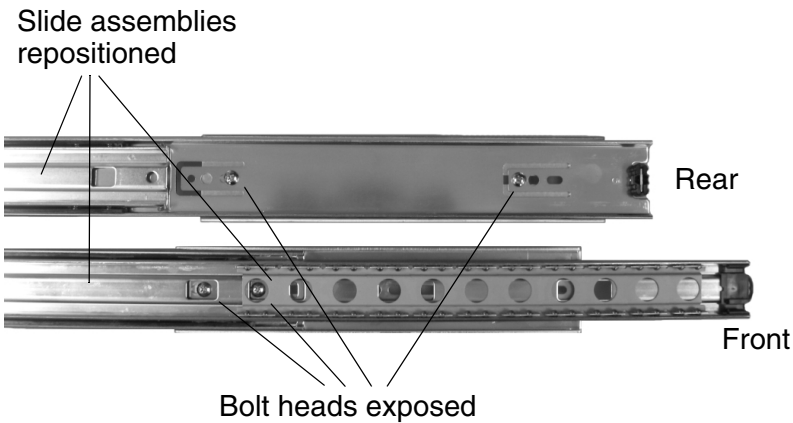
 **Note:** Ensure that you have screws available to secure the slide assemblies to the rack. These are not provided with the system.

To install the slide assemblies in the four-post 19 in. rack perform the following steps for both slide assemblies:

Step 1 Using a tape measure, measure the outer distance between the front and rear rack rails.

Step 2 Reposition the inner sliders to access the heads of the bolts that secure the rear mounting brackets to the outer rail of the slide assembly. If additional length is needed, you might also need to access the bolts that secure the front mounting brackets.

The following picture shows how the inner slide assembly can be repositioned so that both bolt heads for the front and rear mounting brackets are accessible.



Step 3 Use a No. 2 Phillips screwdriver and an adjustable wrench to loosen the bolts holding the rear mounting bracket, and slide the mounting bracket to a position that provides the correct length. If additional length is required, remove and reposition the rear mounting bracket to further lengthen the slide assembly.

Fully tighten the mounting-bracket bolts. The slide assembly should fit snugly in the rack.

In the following picture, the standard configuration of the front mounting bracket is shown at top. The bottom slide assembly shows an extended configuration. The required positioning of the bolts for each configuration is highlighted.



Note: For extra deep racks, you can reposition both the front and rear mounting brackets.

Step 4 To install the adjusted slide assemblies in the rack, perform the following steps:

Step 4.1 Mark the rack's front vertical rails with a felt-tipped marker, or place masking tape where the upper and lower edges of the system's 4U space will be located.

- Step 4.2** At the front of the rack, position one of the slide assemblies so that its mounting-bracket flange is at the bottom rack unit space of the system's 4U space.
- Step 4.3** Secure the front and rear mounting-bracket flanges with the required screws (not provided) in the vertical rails and fully tighten.
- Step 4.4** Repeat Step 4.2 and Step 4.3 for the other slide assembly.

For proper operation, the mounting brackets for both slide assemblies must be set in the same positions, and they must be level in the rack.

The following picture provides an example of properly installed slide assemblies in one common rack type.



3. Install the System Chassis in the Four-Post Rack

- Note:** Ensure that you have screws available to secure the system to the 19-inch rack. These are not provided with the system.
- ALERT!** Ensure that ventilation holes are not obstructed. Leave enough space around the system for adequate ventilation or equipment damage can occur.

To install the chassis in the four-post 19 in. rack:

- Step 1** Pull the two interior slide assemblies so that they extend out from the rack.
- Step 2** Using the handles located on the sides of the chassis, lift the system into position in front of the extended slides.
- Step 3** Align the inner rails you mounted on the side of the chassis with the open portion of the extended slide assemblies.

- Step 4** Push the system into the slide assemblies until the system stops.
- Step 5** Secure the front of the mounting-bracket flanges to the rack posts with suitable fasteners (not provided). Ensure that the fasteners are fully tightened.

4. Install Fan Tray and Faceplate

The P-7500 system ships with a fan tray, faceplate, and power supplies that must be installed before powering up. To install these components:

- Step 1** Position the fan tray assembly so that the four thumbscrews and rear power connector align with the front of the chassis. Press firmly on the fan tray until its male power connector engages with the female chassis connector. Hand tighten the four captive thumbscrews in each corner of the fan tray to seat it firmly against the chassis.



- Step 2** Align the four male push pins in the four corners of the faceplate with the female receptacles on the chassis. Press firmly on the faceplate until the push pins engage, and the faceplate is flat against the front of the chassis.



5. Install Power Supplies

Typically, four power supplies (provided) are installed in each P-7500 system.

To install the power supplies, perform the following step for each power supply:

- Step 1** Align the power supply within the right-hand power supply chassis slot, and gently slide it in. When finished, hand tighten the captive screw located above the AC-input power connector to secure the power supply in the chassis slot.



6. Connect Management Console

You must set up a management console—a standard computer running third-party terminal emulation software—to allow you to configure a management IP address for the system using the P-7500 command line interface (CLI).

To connect a management console:

- Step 1** Connect the provided straight-through RS-232 cable (with DB-9/RJ-45 connectors) to the RS-232 serial console port located on the rear panel of the P-7500 system.
- Step 2** Connect the other end of the cable to the DB-9 serial port on the management console.



Note: The default data rate setting for the RS-232 serial console port is 115,200 bps, with data bits set to 8, parity set to none, stop bits set to 1, and flow control set to none. If required, you can change the default baud rate setting for the RS-232 serial console port after the system is powered up.

7. Power Up the System

To power up the system:

- Step 1** Verify that an appropriate AC power source is operational and turned on. Then connect the system to the AC power source through the AC power cord.
- Step 2** Use a paper clip to press the 1/0 button on the front panel of the system to turn power it on.

The CLI **login** prompt displays on your management console screen.
- Step 3** Verify that the Green LED located in the upper right-hand corner of each power supply is on.