XG12 Chassis

Release 9.39

Assembly Guide

KEYSIGHT

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Notices

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Safety Information

Do not proceed beyond a hazard notice until the indicated conditions are fully understood and met.

A **CAUTION** notice denotes a hazardous situation that, if not avoided, could result in minor or moderate injury.

A **WARNING** notice denotes a hazardous situation that, if not avoided, could result in death or serious injury.

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Documentation conventions

The following documentation conventions are used in this guide:

Describing interactions with the UI

You can interact with products by using different input methods: keyboard, mouse, touch, and more. So in most parts of the user documentation, generic verbs have been used that work with any input method. In cases where input-neutral verbs do not work, mouse-specific verbs are used as the first choice, followed by touch-specific verbs as the second choice.

See the following table for examples on how you can interpret the different input methods.

Input-neutral	Mouse	Touch
Select **Modify**.	Click **Modify**.	Tap **Modify**.
Select **Accounts** > **Other accounts** > **Add an account**.	Click **Accounts** > **Other accounts** > **Add an account**.	Tap **Accounts** > **Other accounts** > **Add an account**.
To open the document in Outline view, select **View** > **Outline**.	To open the document in Outline view, click **View** > **Outline**.	To open the document in Outline view, tap **View** > **Outline**.
Select **Protocols**.	Click the **Protocols** tab.	Tap **Protocols**.
-NA-	Double-click the **Client** wizard.	Double-tap the **Client** wizard.
Open the **Packages** context menu.	Right-click **Packages** to open the shortcut menu.	Long tap **Packages** to open the shortcut menu.

Deprecated words

The following words have been replaced with new words, considering the audience profile, our modern approach to voice and style, and our emphasis to use input-neutral terms that support all input methods.

Old usage...	New usage...
shortcut menu, right-click menu	context menu
click, right-click	select
drag and drop	drag

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CHAPTER 1

Introduction

This document describes how to install the XG12 chassis and its various modules.

The XG12 Chassis is the next generation high performance platform capable of supporting all XM form factor load modules, including full chassis configurations of the Xcellon-Flex load modules. It is a 12-slot chassis with increased total power capacity available for all load modules and front-to-back airflow delivery along with increased bandwidth from the CPU to the load modules.

The chassis provides improved modularity and access to the major components to reduce downtime of a failed chassis and to reduce the probability of needing to remove a failed chassis from the test environment.

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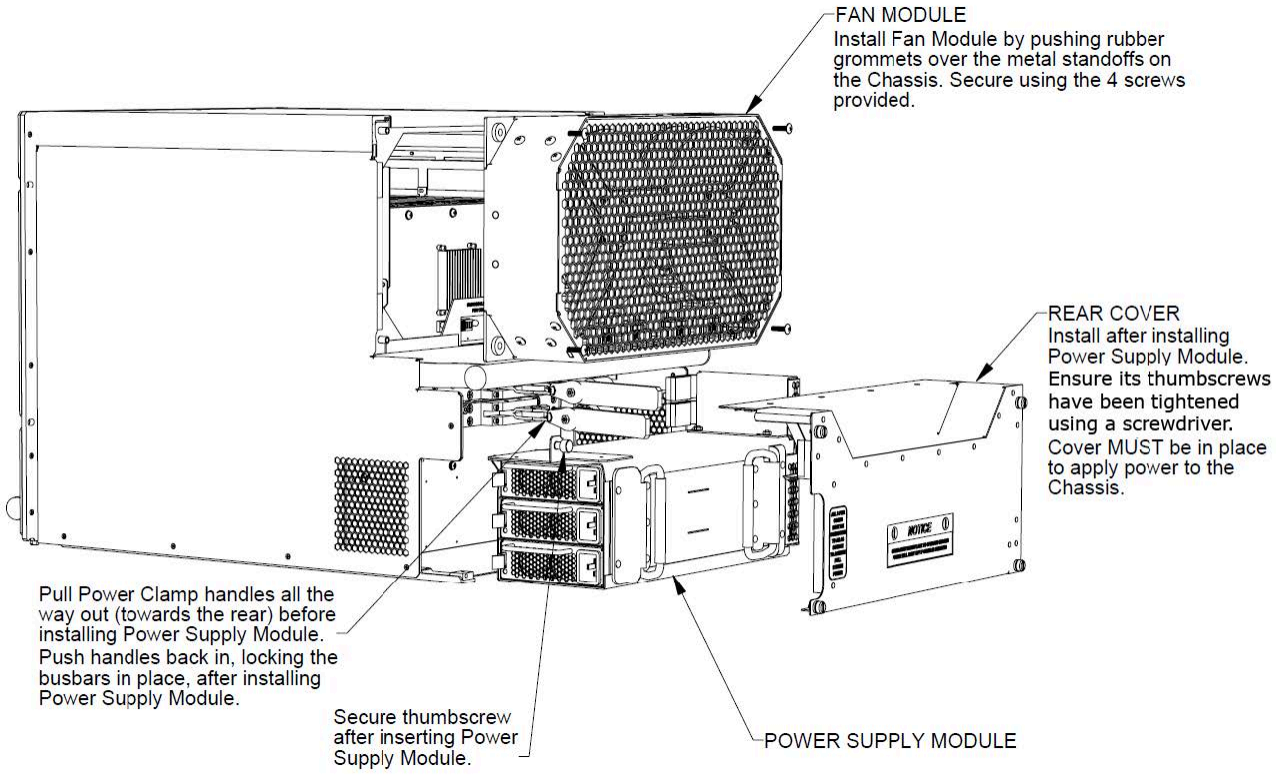
CHAPTER 2

XG12 Chassis modules

The modules that make up the chassis are as follows:

- Chassis Frame Module
- Chassis Fan Module
- Chassis Power Supply Module
- Chassis Processor Module

The Processor Module is plugged into the front of the chassis. The power supplies and fans are accessible from the rear of the chassis. Each of the modular components is capable of being removed in the field and replaced with minimum downtime.



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CHAPTER 3

Install XG12 Chassis

This section explains the notational and typographical conventions used in this documentation, and provides a list of related documentation.

Section contents:

XG12 Chassis installation precautions **6**

Un-pack and mount the chassis **7**

Remove and insert processor module **8**

Remove and insert power supply module **8**

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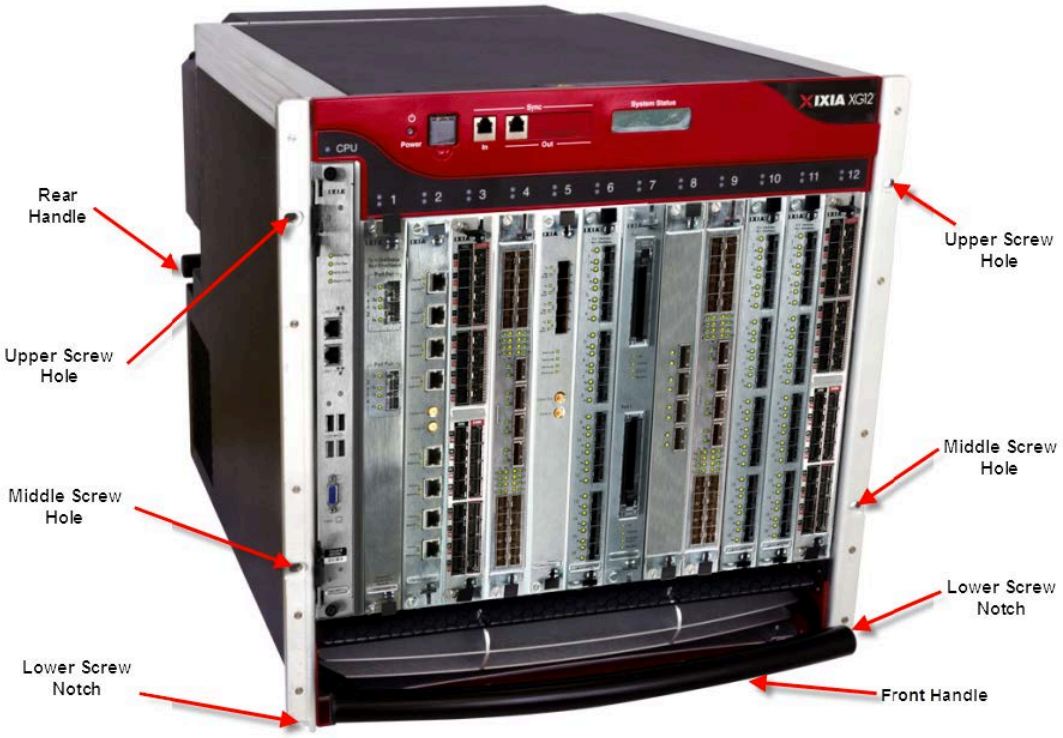
XG12 Chassis installation precautions

The following precautions should be followed while installing the XG12 chassis:

- The chassis should be installed in the rack before installing the power supply module, fan module and load modules, thereby reducing the weight of the chassis.
- The two lower bolts used to secure the chassis to a rack can be used to hold the chassis frame in place while securing all of the other bolts.
- Secure the chassis to rack face with all six bolts.
- Fully depress power supply clamps when installing power supply module.
- Secure the power supply module thumb bolt when installing power supply module.
- Install the rear power supply cover before applying AC power. After removing or installing this cover, ensure that the thumbscrews are tightened down with a 'Flat Blade' screwdriver.
- Do not use the chassis without installing the Fan module.
- Do not use the chassis without installing the Processor module.
- Do not leave unused slots open. Use the filler panels to cover the un-used slots.
- Do not block the front air intake.
- A minimum air flow clearance of 12 inches is required. 24 inches of air flow clearance is preferred at the rear of the chassis.
- Operator intervention may be required to power cycle the XG12 chassis or restart a software program in the event the XG12 chassis operation is upset or stopped by electrostatic discharge.



Un-pack and mount the chassis

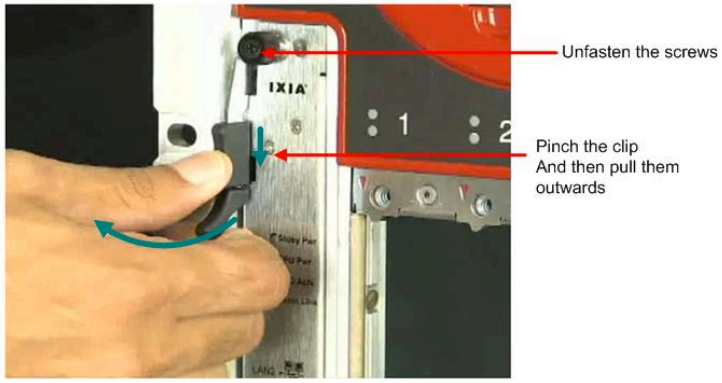
1. Cut tape and open the carton.
2. Remove accessories box, top foam inserts, and side packing inserts.
3. Lift chassis out of the carton.
4. Remove power supply cover and keep it aside.
5. Remove the plastic wrapping.
6. Insert the lowermost screws on the rack.
7. Slide the chassis into the rack so that the lower screw notches of the chassis rests on the screws on the rack.
8. Insert the other screws and secure the chassis to the rack by tightening the screws.

	WARNING: The weight of the chassis components are as follows: • Empty chassis with air baffles = 70 lbs • Empty chassis without air baffles = 48 lbs • 3 power cords = 6 lbs • Power supply assembly = 29 lbs • Fan Assembly = 10 lbs • CPU card = 4 lbs Do not attempt to lift the fully assembled chassis.

Remove and insert processor module

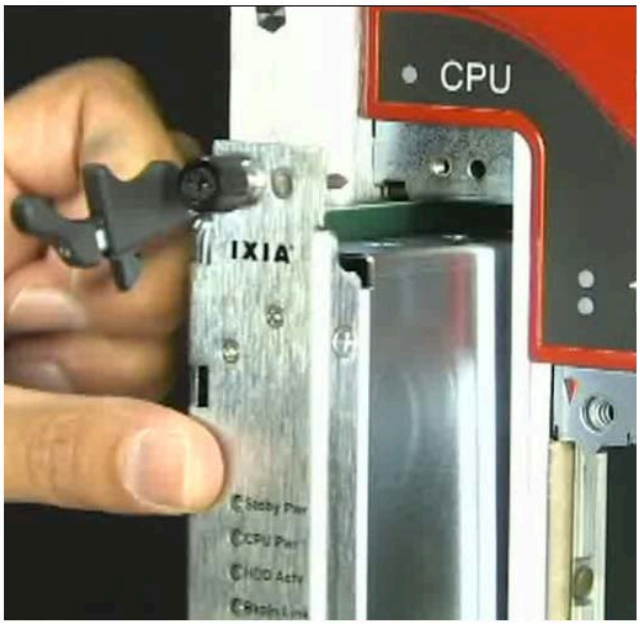
To remove the processor module:

1. Unfasten the screws.
2. Pinch the clips and then pull outwards.



To insert the processor module:

1. Slide the module into the slot.
2. Pinch on the clips and push them in.
3. Fasten the screws.



Remove and insert power supply module

The power supply module is accessible after removing the rear cover.

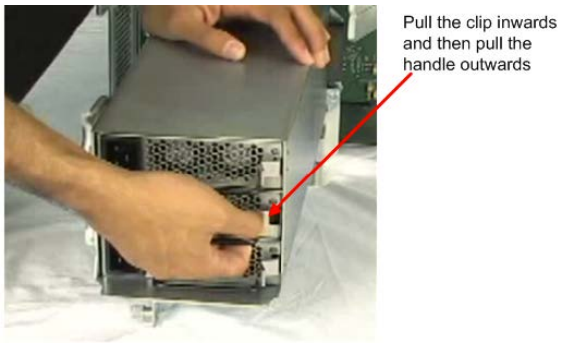
To remove the rear cover, unfasten the four screws around the cover and pull out the cover.

To remove the power supply module:

1. Loosen the thumbscrew in the upper left corner of the power supply module.
2. Pull the power clamp handles.
3. Hold the two handles provided on the power supply module and pull them.

To remove the individual power supplies,

1. Hold the handle on the power supply
2. Pull the clip inwards and then pull the handle out.

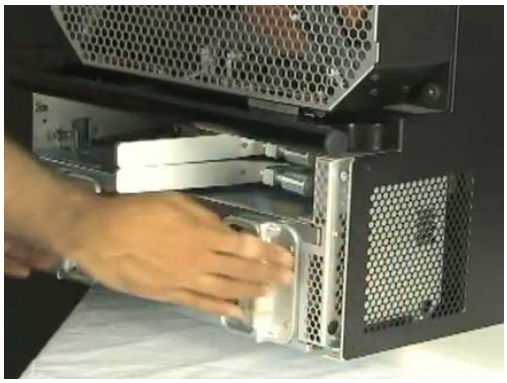


To insert the individual power supplies, slide the power supply in until you hear the clicking sound of the clip.

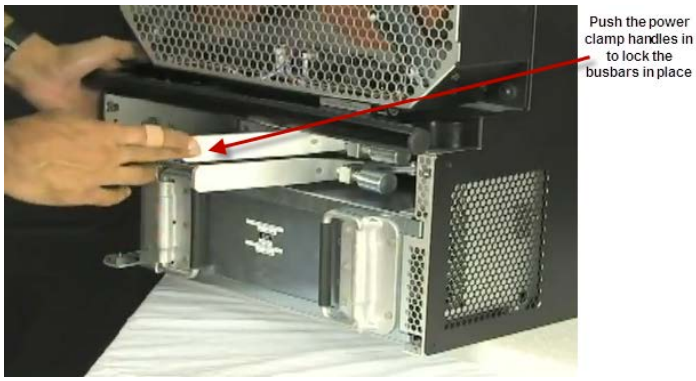
To insert the power supply module:

1. Place the power supply module on the rails.

2. Push the power supply module inwards.



3. Push the power clamp handles in to lock the busbars in place.



4. To hold the power module in place, tighten the thumbscrew at the upper left corner of the power supply module.

5. Replace the rear cover and fasten it with the screws.

Power cords

The XG12 chassis is CE marked and UL™ certified when using the 200-240VAC power cords supplied with the chassis. However, these certifications for the chassis safety approvals are only valid when the unit is operating from all three 200-240VAC main power sources.

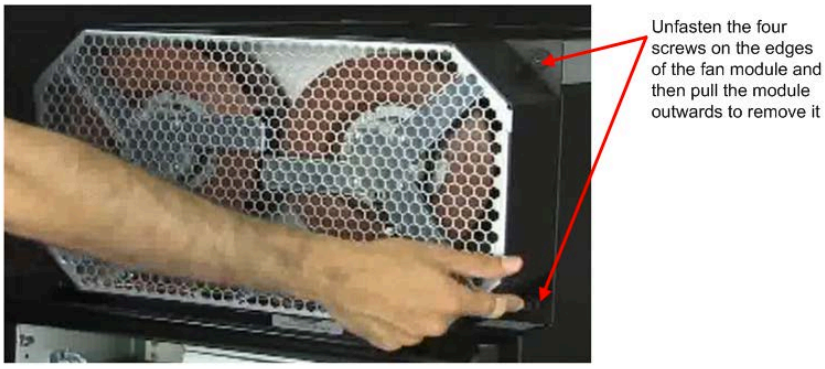
Refer to the *Ixia Platform Reference Manual* at https://support.ixiacom.com/user-guide/ixos for more details.

Remove and insert fan module

The fan module is located on the rear side of the chassis.

To remove the fan module:

1. Unfasten the four screws that are present on the edges of the fan module.
2. Pull the module outwards.



To install the fan module:

1. Push the rubber grommets over the metal standoff on the chassis.
2. Fasten the four screws tightly.

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CHAPTER 4

Log on to XG12 Chassis

The Username for an XG12 (Windows 7) remote desktop session is **ixia** and the password is the CPU module serial number found on the sticker located in front of the CPU module.

The two network ports on the CPU module are configured by default for DHCP.

NOTE The chassis windows wallpaper is not displayed. So the credentials are required to log on.

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