

# XenaBay Chassis Installation Guide

Version 2.0

## ABOUT THE XENABAY C4-12 CHASSIS

The XenaBay (C4-12) is a 12-slot, 4U heavy-duty steel rack mount chassis designed to operate reliably in industrial environments.

## SPECIFICATIONS

- Form Factor: Standard 4U, 19" wide
- Construction: Metal
- Slots Number: 12-slot
- Cooling: 3 x 8cm Papst 8412NH / NGLE
- Drive Bay: 1 x 2.5" internal HDD
- Dimensions (DxWxH): 483 x 177 x 447mm (19" x 7" x 17.6")
- Weight: 18kg (40lbs)
- Color: Black



## Environmental

- Operating Temperature: 10 to 35° C
- Storage Temperature: -40 to 70° C
- Humidity: 8% to 90% non-condensing

## Power

- AC Voltage: 100-240 VAC
- Max watt: 120W (chassis)

## Regulatory

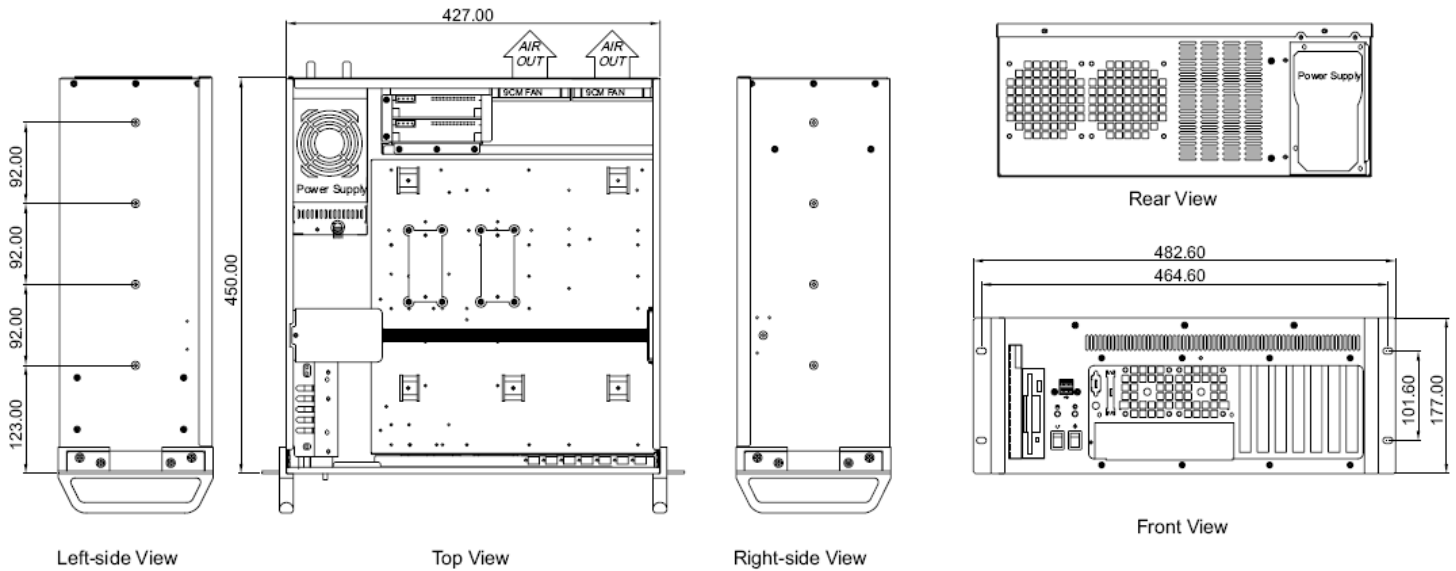
- FCC (US)
- CE (Europe)

## TECH SUPPORT

Please contact your local Xena partner or send an email to [support@xenanetworks.com](mailto:support@xenanetworks.com).

## TECHNICAL DRAWING

The main components and dimensions (mm) of the XenaBay C4-12 are shown below.



### PACKING LIST

When you unpack the chassis, make sure the following items have been shipped.

- 1 x XenaBay (C4-12) Chassis
- 1 x Power cord
- 1 x Xena Help Booklet
- 1 x XenaBay Quick Installation Guide
- CD-ROM with software and documentation

**Xena Networks ApS**  
 Graabroedretorv 6, 3. sal  
 1154 Copenhagen K  
 Denmark  
[www.xenanetworks.com](http://www.xenanetworks.com)

## QUICK OVERVIEW

To install the majority of test modules in the XenaBay C4-12 chassis, the following steps must be completed.

**Note** that a slightly different procedure is needed for the M6SFP+ and CFP modules – see the end of the document for instructions:

1. Remove the top cover by unscrewing the two bolts at the back of the chassis.
2. Unscrew the restraining bar that holds the modules in place
3. Choose which slot the module should sit in and unscrew the cover
4. Slide the module into place and use the screw to secure it.
5. Choose the hole in the restraining bar that lies exactly over the new test module, and thread the white plastic bolt up through the plastic air duct and then through the restraining bar itself.
6. Screw the locking nut onto the screw.
7. Set the restraining bar into place and adjust the plastic screw so that the little knobs on the end hold the test module in place.

For M6SFP+ and CFP cards - connect the power cable (see final section in this document)

8. Screw the restraining bar back into place - make sure all the test modules line up with the groove in the plastic screws.
9. Replace the top cover

The installation steps outlined above are described in detail below. Please refer to the relevant section.

## STEP 1:

Remove the top cover by unscrewing the two bolts at the back of the chassis.



## STEP 2:

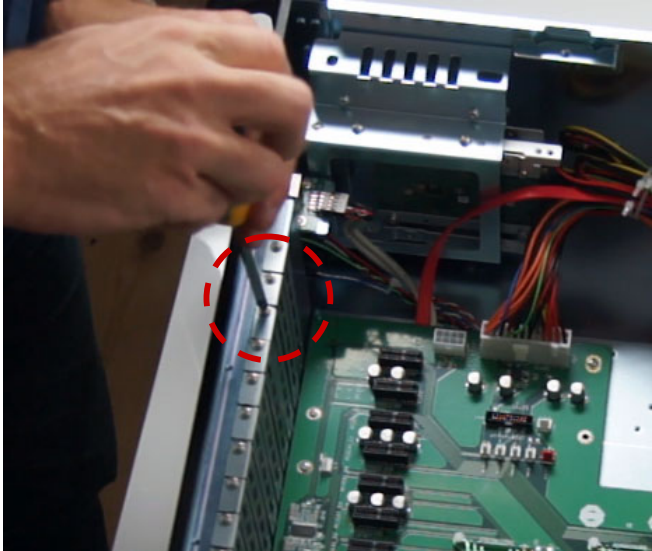
Unscrew the restraining bar that holds the modules in place



The metal plate covering the modules holds them in place, esp. during transport. It is attached to the chassis by just one screw (on the left side of chassis which is the top of the picture above)

## STEP 3:

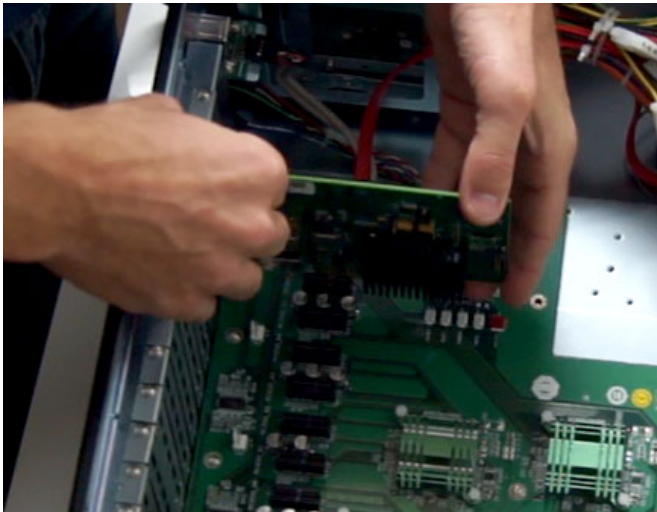
Choose which slot the module should sit in and unscrew the cover.

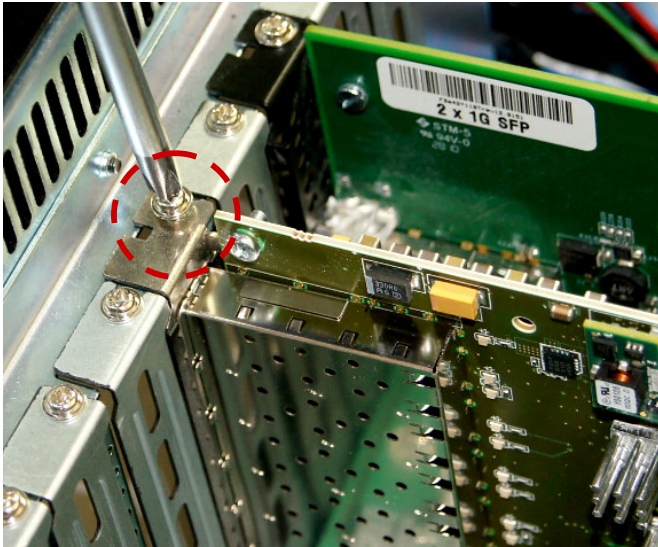


The cover at the front of the slot needs to be removed before you can slide the new test module into place. You only need to remove one screw which you then (re)use in the next step. The tri-speed 100G test module (M1CFP100) requires two slots, as does M2CFP40.

## STEP 4:

Slid the module into place and use the screw to secure it.

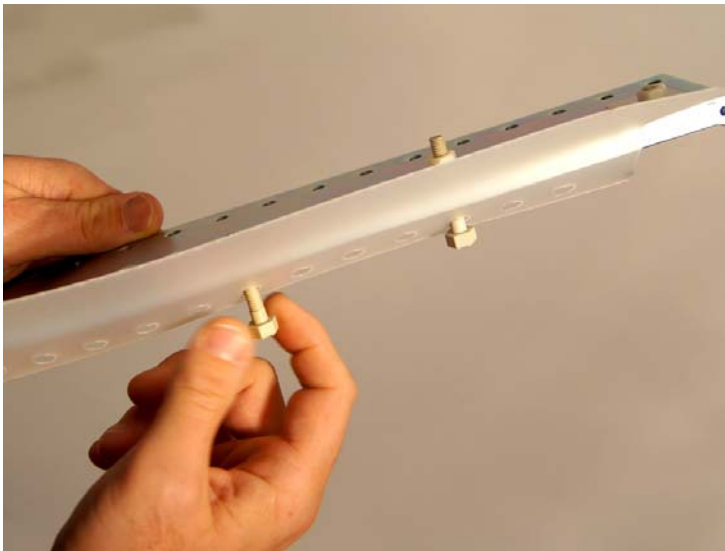




Press the test module firmly but carefully into place – do not force it – and then replace the screw.

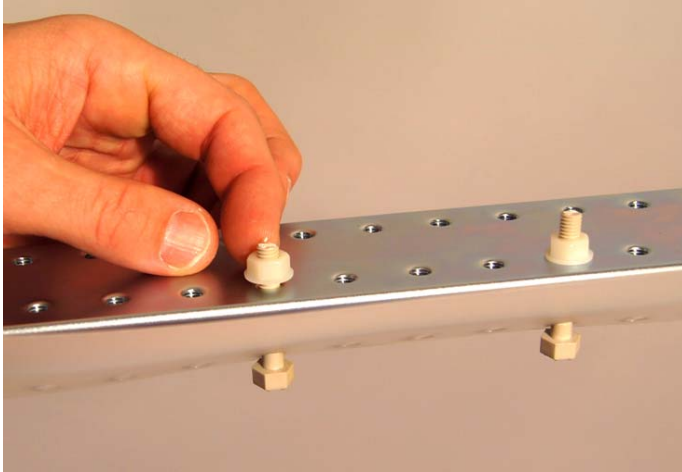
## **STEP 5:**

Now identify which hole in the restraining bar lies exactly over the new test module. Thread the white plastic bolt up through the plastic air duct and then through the restraining bar itself.



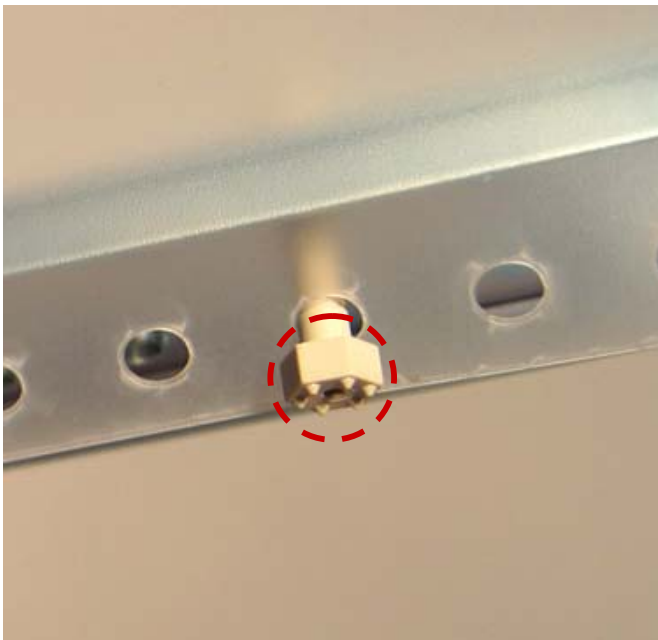
## STEP 6:

Then screw the nut down onto the bolt to hold it in place.



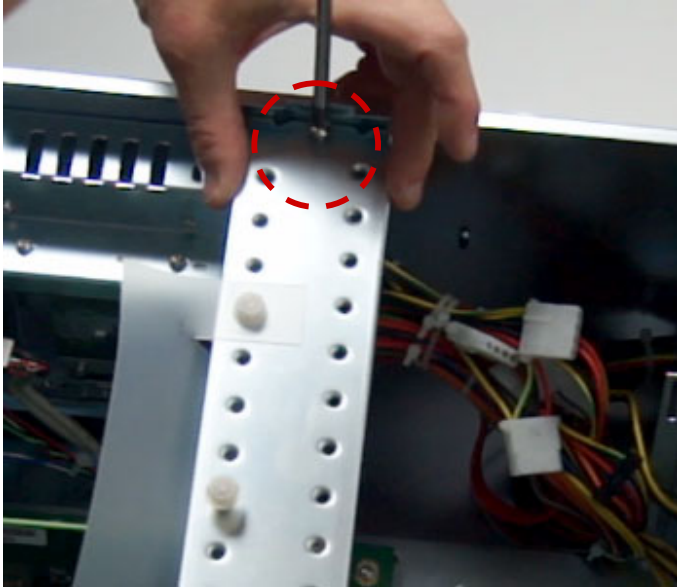
## STEP 7:

Finally, place the restraining bar back on the chassis and carefully adjust the alignment of the bolt so that the small knobs on the bottom of the head, grasp the test module and hold it securely in place. (This is especially important during transportation of the test module.)



## STEP 8:

Once you are satisfied with the positioning of the bolt, screw the restraining bar into place - make sure the small grooves in the white plastic bolts sit firmly over the test modules to hold them in place.



## STEP 9:

Replace the top cover.



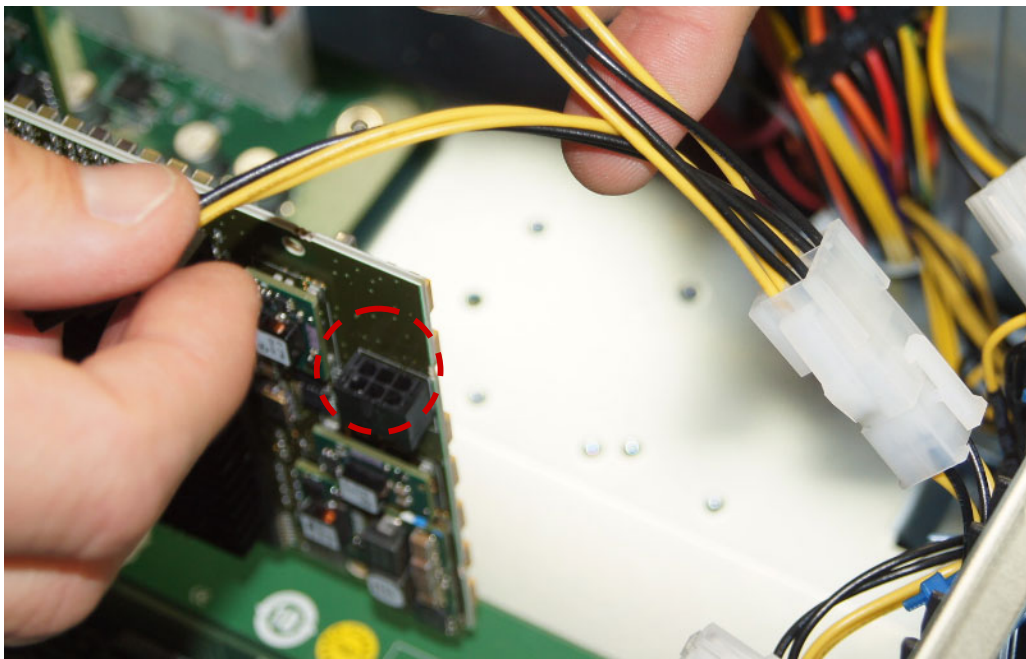
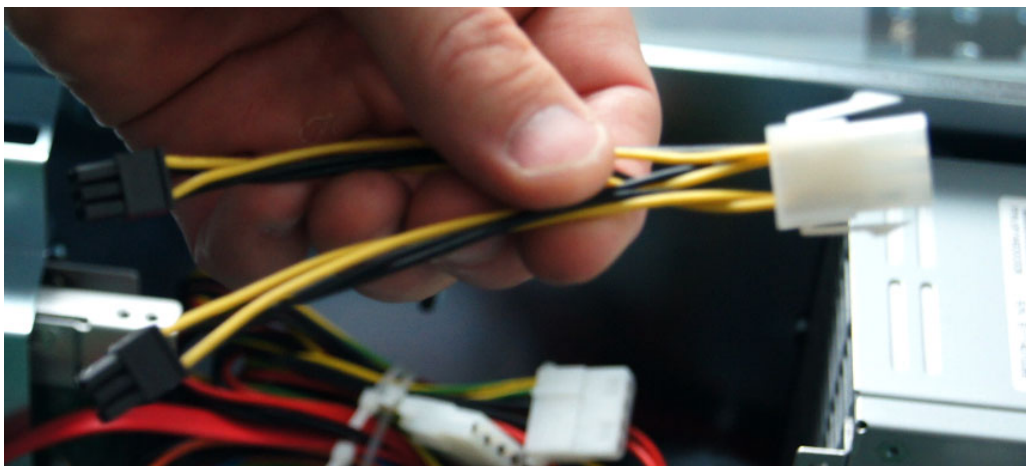
Slide the top cover back into place and tighten the 2 screws at the back.

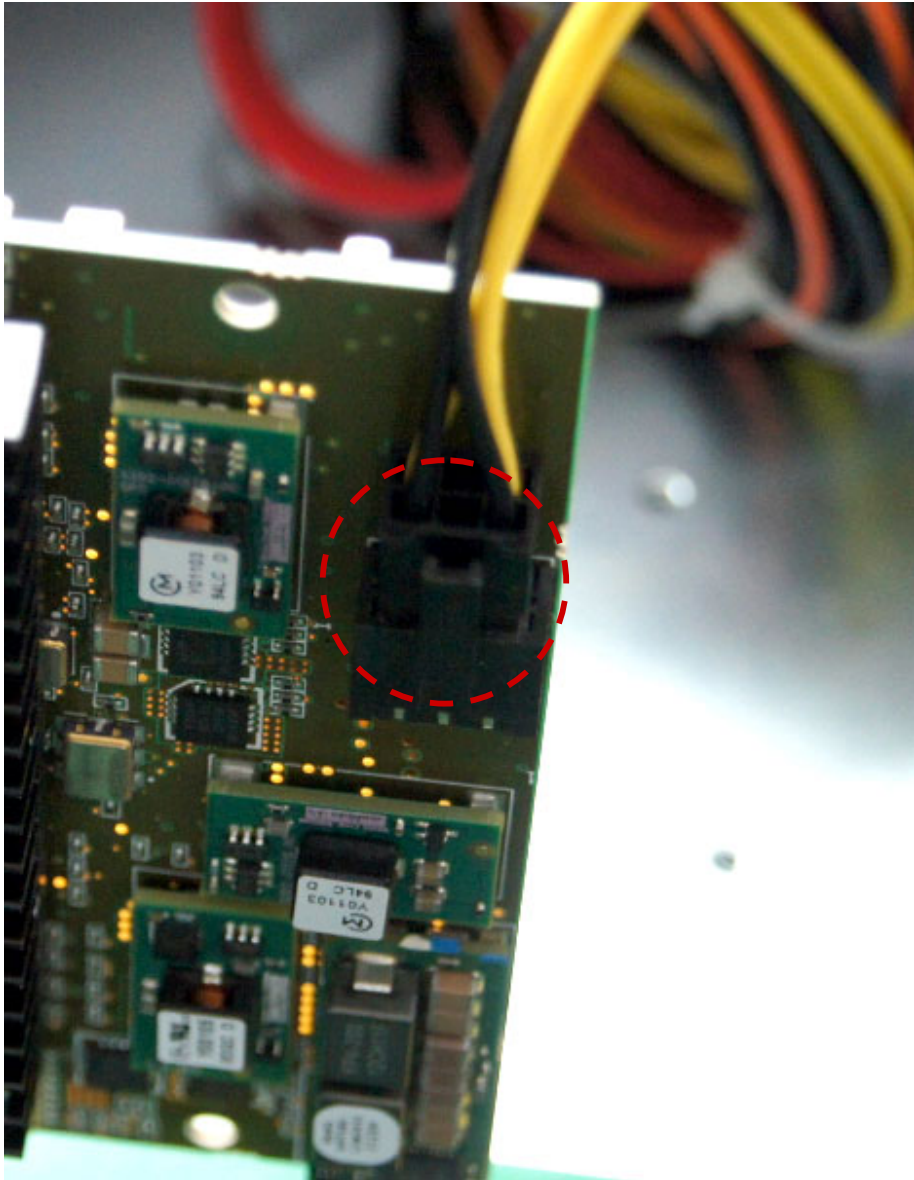
## Attaching Power Cables

There are small differences depending on which test modules you are installing in the XenaBay.

You need to attach the power cables for some of the modules e.g. Xena's "tri-speed" 10/40/100G test module (M1CFP100) and the M2CFP40 – which require 2 slots in the chassis and have a larger power socket.

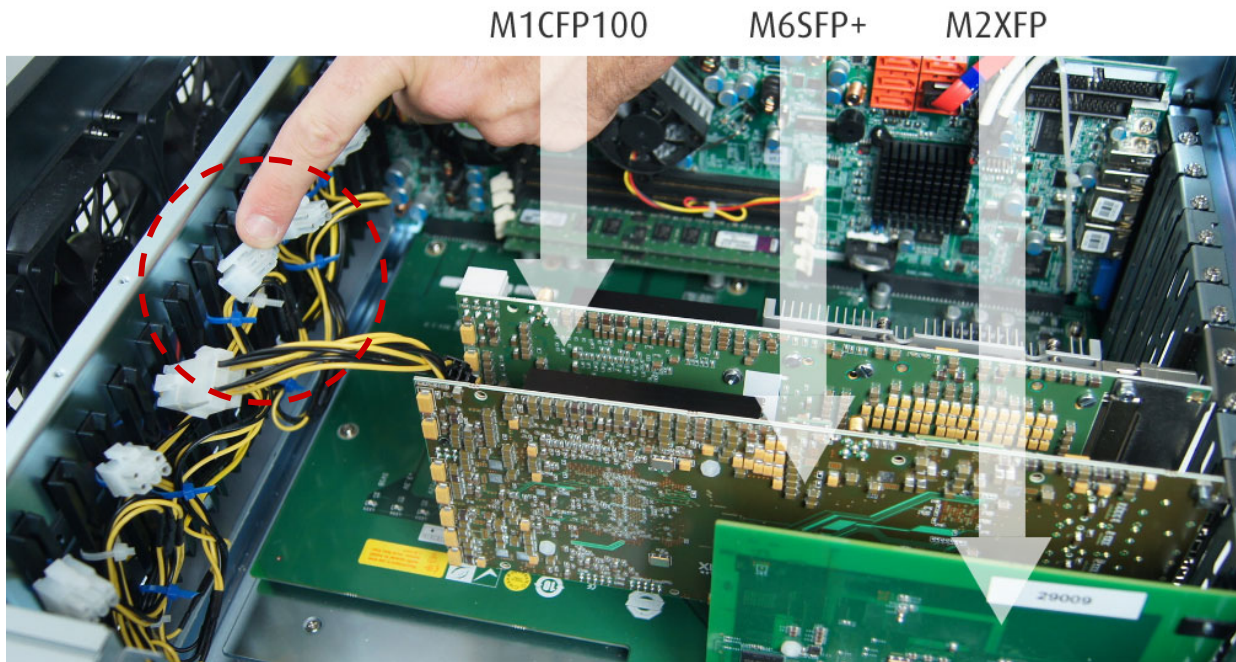
The 6-port 10G test module (M6SFP+) has a power socket that is half the size of the M1CFP100 and it attaches to the test module, using a '2-to-1' adapter as shown below.





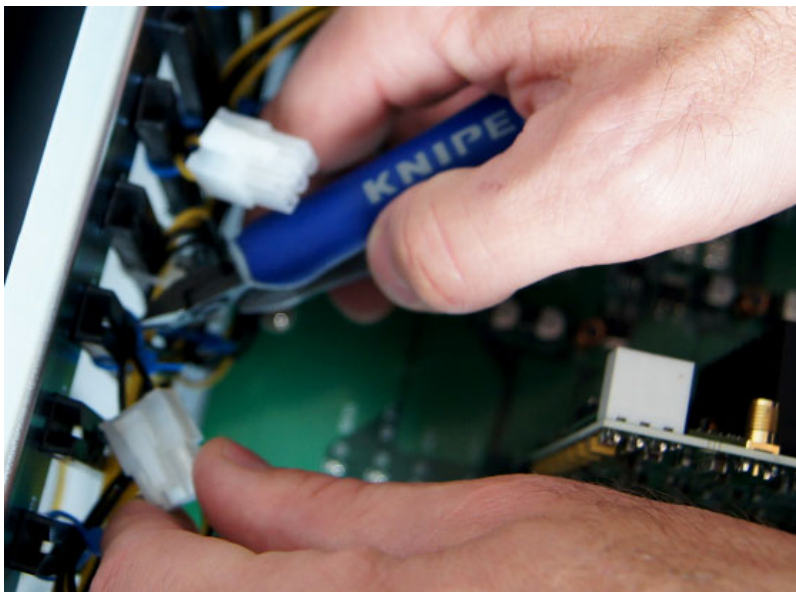
## 40/100G Test Module Power Cable

In the photo below you can see three different types of test modules – the small two-port M2SFP+, the larger 6-port 10G M6SFP+, and finally the tri-speed M1CFP100.

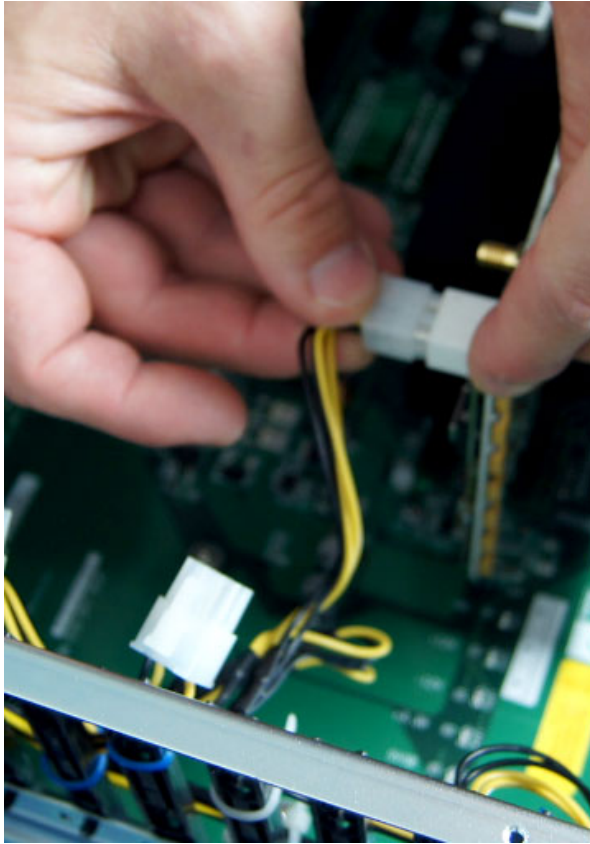


### M1CFP100 & M2CFP40

First clip away the blue plastic strip holding the power plug and cable in place.



Then connect it to the large plug on the test module:



Once connected, it will look like this:

