SPECIFICATIONS

The ValkyrieBay is a 12-slot, 4U heavy-duty steel rack mount chassis designed to operate reliably in industrial environments. The Valkyrie Bay exists in two versions:

• Val-C12-720G – used for all speeds up to 100GE
• Val-C12-2400G – can also be used for 200 & 400GE test modules
• Dimensions (DxWxH): 483 x 177 x 447mm (19” x 7” x 17.6”)
• Weight: 16.5 kg (36lbs) without test modules
• Color: Black

Form Factor: Standard 4U, 19” wide
Construction: Metal
Number of Slots: 12
Cooling: 3 x 8cm Papst 8412NH / NGLE, and 6 x 4cm Sunon MB40201VX-000U-A99 (on fanbar)
Drive Bay: 1 x 2.5” SATA Drive with Hotswap/ anti vibration.

Environmental
• Operating Temperature: 10 to 35º C
• Storage Temperature: -30 to 70º C
• Humidity: 8% to 90% non-condensing

Power
• AC Voltage: 100-240 VAC
• Max watt: 1000W (100-114.9V) / 1200W (114.9-240V)
• Max. Noise 56 dBA.

Regulatory
• FCC (US)
• CE (Europe)

TECH SUPPORT
Please contact your local Xena partner or send an email to support@xenanetworks.com.

PACKING LIST
When you unpack the chassis, make sure the following items have been shipped.
• 1 x ValkyrieBay Chassis (Val-C12-720G or Val-C12-2400G)
• 1 x Power cord
• 1 x Xena "Quick Start Guide"
• 1 x ValkyrieBay Chassis Installation Guide
• 6 x 12v Power splitter cables
QUICK OVERVIEW

Installing test modules in the ValkyrieBay chassis requires the following steps to be completed.

NOTE: A slightly different procedure is needed for the Odin-10G-1S-6P, Odin-10G-3S-6P-CU/n and +25GE 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 bars that holds the module in place
3. Choose which slot the module should sit in and unscrew the bracket
4. Slide the module into place and use the screw to secure it*
5. Position the restraining bars in place.
6. Screw the restraining bars tightly in place.

For Odin-10G-1S-6P and CFP cards - connect the power cable (see final section in this document)

* In August 2017 Xena improved the way test modules were mounted in the chassis by adding a plastic rail attached with two screws to the test module. This rail ensures the test module is held very securely in place when mounted in the chassis.

When transferring test modules with this plastic rail from a ValkyrieBay purchased after August 2017 to an older ValkyrieBay, it is necessary to remove the plastic rail. This simply requires removing two screws.

7. Replace the top cover

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

IMPORTANT: ALWAYS REMOVE LONG TEST MODULES BEFORE SHIPPING

To minimize the risk of damage, please remove “long” test modules before transportation. This includes any test module(s) that extend past the metal restraining bar under the chassis lid.

Always use the original Xena boxes for shipping (including the polystyrene foam and anti-static bags).
STEP 1:
Remove the top cover by unscrewing the two bolts at the back of the chassis.

STEP 2:
Unscrew the fan bar and support bar that holds the modules in place.

The metal support bar holds test modules securely in place. This is very important during transport. It is also used to mount the fans that cool the chassis. These are attached to the chassis by four screws.
If necessary, disconnect the plug that powers the fans.
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.
STEP 4:

Press the test module firmly but carefully into place – do not force it – and then fasten again with the screw from Step 3.

IMPORTANT UPDATE:

In August 2017 Xena improved the way test modules were mounted in the chassis by adding a plastic rail attached with two screws to the test module. This rail ensures the test module is held very securely in place when mounted in the chassis.

If these new-generation test modules subsequently need to be installed in older versions of the ValkyrieBay chassis (those shipped before mid-2017), the plastic rail needs to be unscrewed and removed. There are 3 versions of the rails but all are mounted on the “top” of the test modules (as shown below).
This photo shows the screw that needs to be removed.
STEP 5:

Now the restraining fanbar and support bar needs to be reattached. Both support bars are essential as they hold the installed modules firmly in place. If adjustments are necessary, we recommend doing it from right to left (Port 11 to Port 0).

STEP 6:

Once you are satisfied with the positioning of both support bars, screw the Four lock screws firmly in place. (It can require a little juggling to ensure a proper fit.)

STEP 7:

Replace the top cover, by sliding it back into place and tightening the 2 screws at the back.
Change BIOS Battery

It can be necessary to replace the BIOS battery. This is a simple operation that involves opening the lid of the chassis and finding the blue battery mounted on the motherboard on the right side of the chassis.

Simply detach it from the motherboard and you can easily replace the watch or button cell battery.
**Attaching the Power Cables**

There are small differences depending on which test modules you are installing in the ValkyrieBay. The 6-port 10G test module (Odin-10G-1S-6P) has a power socket that attaches to the test module, using a ‘2-to-1’ adapter as shown below.
40GE/100GE Test Module Power Cable

In the photo below, you can see these four different test modules:

1. the short six-port Odin-1G-3S-6P (B)
2. the mid-size Odin-10G-1S-2P
3. the large Odin-40G-2S-2P
4. the 2-slot tri-speed Loki-100G-3S-1P
For More Information:

1. User manuals and other technical documentation (Xena website)

2. Xena technical support options

Or send an email to: support@xenanetworks.com

IMPORTANT

ALWAYS REMOVE LONG TEST MODULES BEFORE SHIPPING

To minimize the risk of damage, please remove “long” test modules before transportation. This includes any test module(s) that extend past the metal restraining bar under the chassis lid.

Always use the original Xena boxes for shipping (including the polystyrene foam and anti-static bags).