

EVIDEN

BullSequana EXD

Installation Guide

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Hardware

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**Eviden
30 bis rue du Nid de Pie
49000 Angers
FRANCE**

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Preface

This guide explains how to install the server for the first time.

See The Bull support web site for the most up-to-date product information, documentation, firmware updates, software fixes and service offers:
<https://support.bull.com>

Intended Readers

This guide is intended for use by instructed or skilled personnel in charge of installing the server.



DANGER D049

The product must not be used in life support system or other applications where failure could threaten injury or life, and any such use voids the limited warranty associated to the product.

Chapter 1. Checking the delivery contents

Important **ATTENTION:** Please read carefully the safety instructions before you perform the procedures described in this manual. See the *Multilingual Safety Notices Guide* for translated versions of the safety notices.

1.1. Unpacking the server

Important **Before unpacking the server inspect the packaging for damage.**



WARNING W020

The server drawer must not be unpacked before it has reached the room temperature (24 hours in the computer room).

According to the configuration, the following items are included.

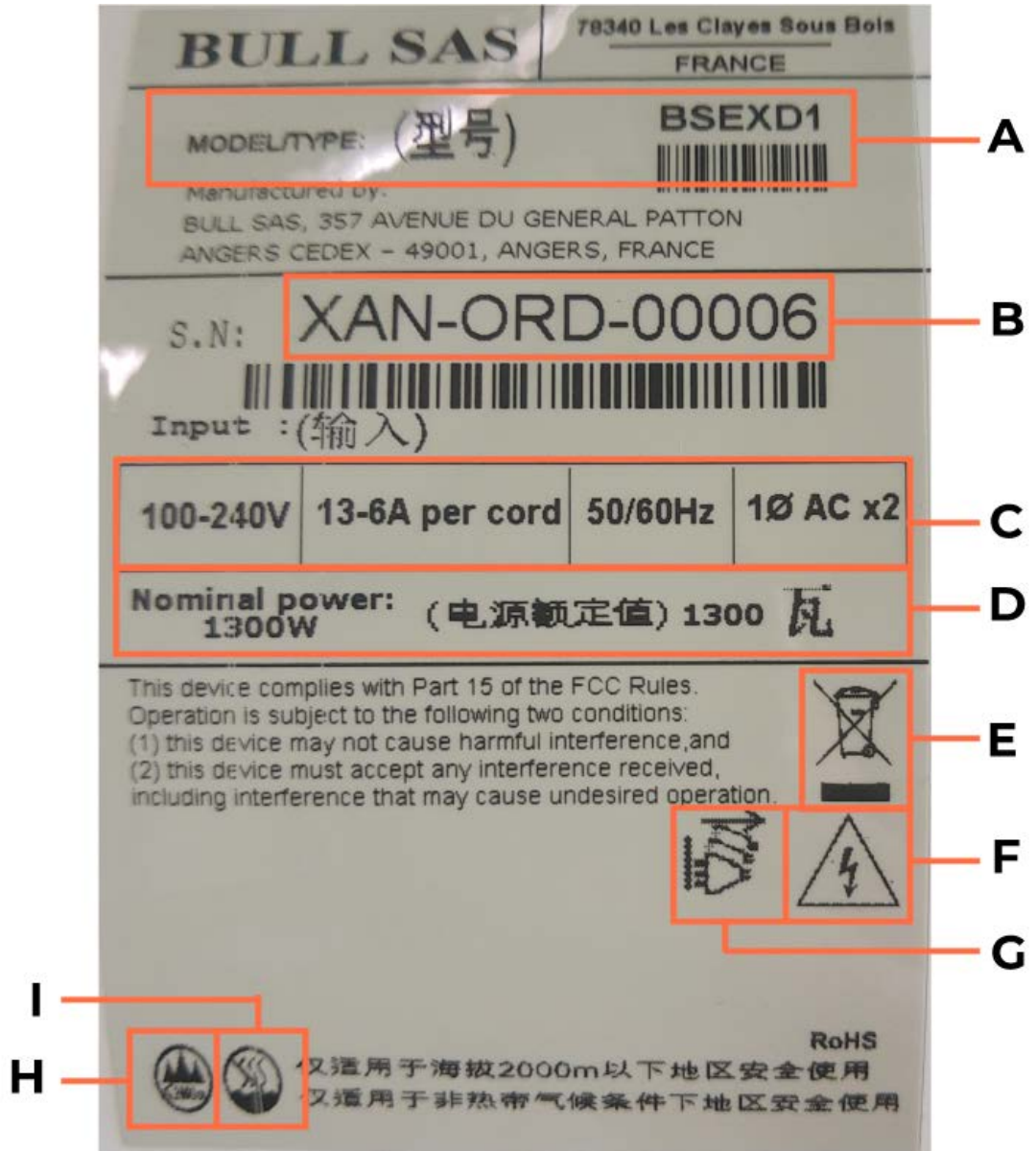
- Antennas
- Screws and washers
- Kit for installation
- The BullSequana EXD server

1.2. Checking labels

Safety warning labels, including safety notices and graphic symbols, are present on the server. Check that the electrical installation complies with the label details.

1.2.1. Identification label

Description



Mark	Description
A	Model name
B	Serial number
C	Electrical characteristics
D	Nominal power
E	Recycling symbol: it is mandatory to reuse and recycle electronic and electrical equipment properly
F	Electric hazard symbol: Caution! Risk of electric shock
G	Multiple power sources symbol: Caution! The system has more than one power source which must all be disconnected before servicing to avoid shock hazard
H	Altitude symbol: the system must not be operated at an altitude higher than 2000 meters
I	Tropicalization symbol: the system must be operated within the adequate limits of temperature and humidity



CAUTION C044

This unit has more than one power supply cord. Disconnect all power supply cords from the unit before servicing. Proceed as follows:

- 1. Power OFF the system**
- 2. Switch OFF the site power breakers**
- 3. Remove all power supply cords from the system**



WARNING W071

This device complies with Part 15 of the FCC Rules.

Operation is subject to the following two conditions:

- (1) this device may not cause harmful interference and**
- (2) this device must accept any interference received including interference that may cause undesired operation.**

Model name

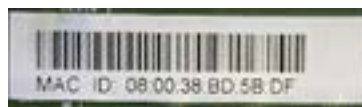
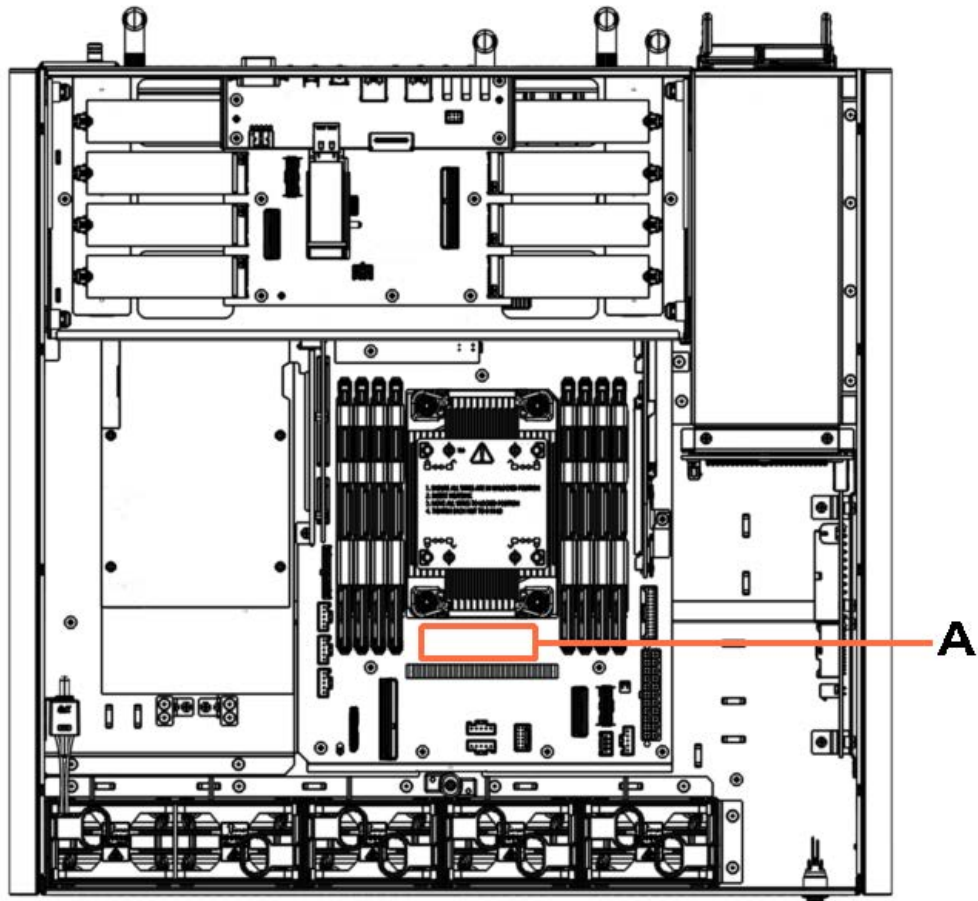
Model name	Commercial name	Serial number
BSEXD1	BullSequana EXD 2U server with 1300W power supply	XAN-ORD-xxxxx

1.2.2. MAC address label

Important It is recommended to write down the MAC address in case the label is lost.

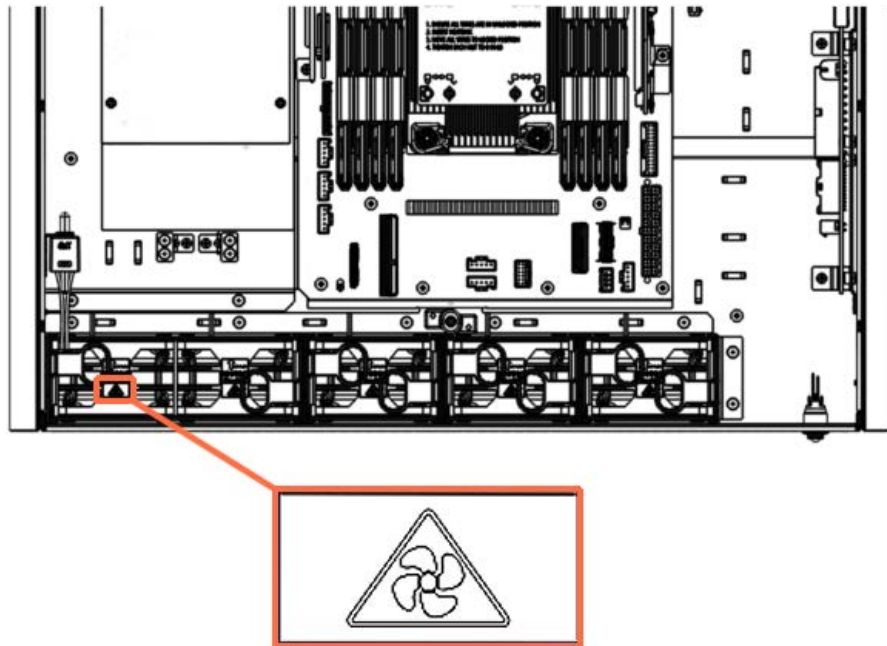
The label (A) is next to the processor assembly.

Remove the cover and the air duct to check the label.



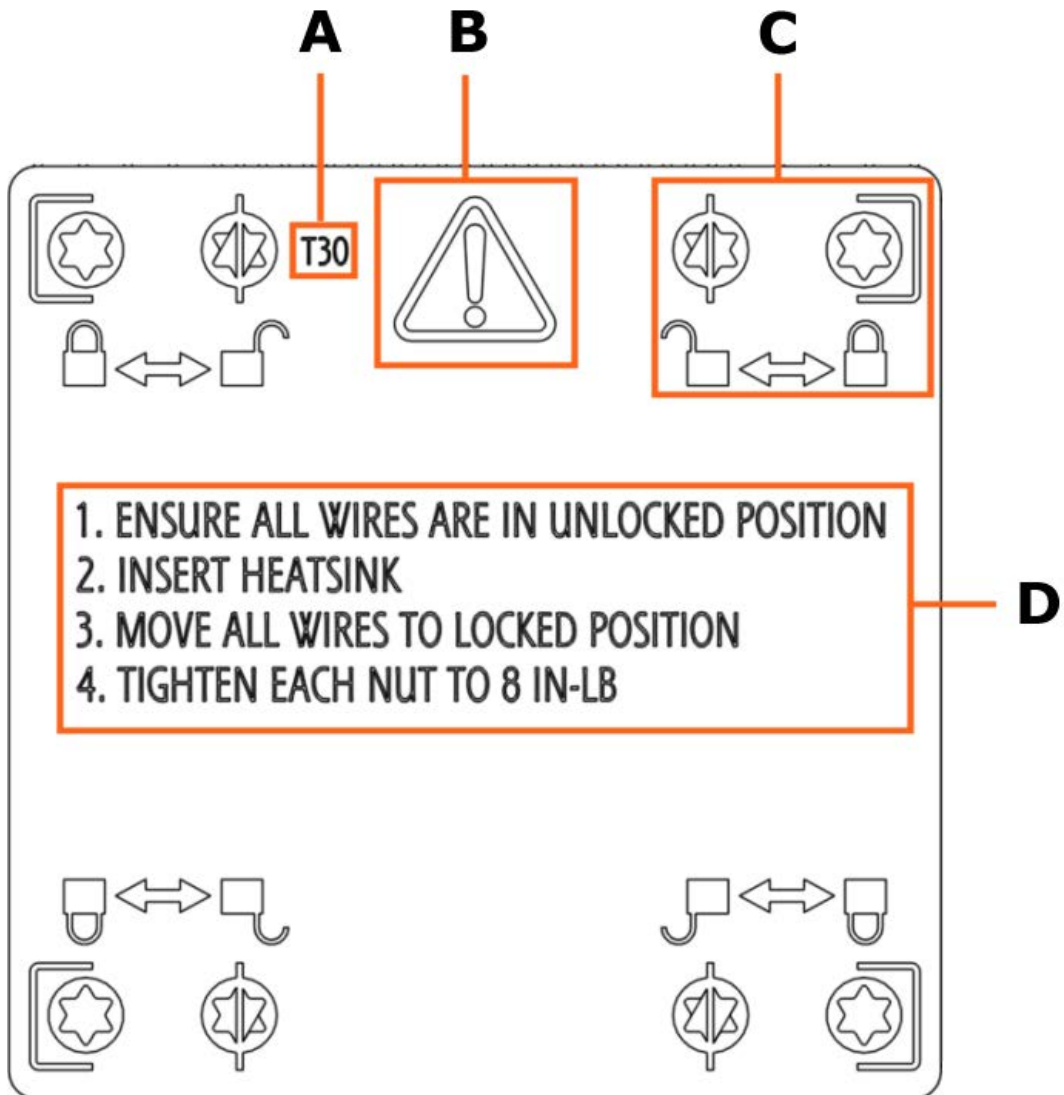
1.2.3. Fan labels

The labels are on the fans, inside the server.



1.2.4. Processor label

The label is on top of the processor assembly.



Mark	Description
A	Torque value
B	Warning symbol
C	Locking symbols
C	Locking instructions

Chapter 2. Installing the server



CAUTION C050

The device must be installed in a location where the transmitting antenna is at least 20 cm from any people in order to comply with radio frequency exposure regulatory requirements.



WARNING W079

Devices and antennas must not be operated with other antennas or transmitters. Only devices and antennas, tested and approved by the manufacturer, should be used. It is prohibited to change the configuration of devices or antennas. Any changes will violate safety rules.



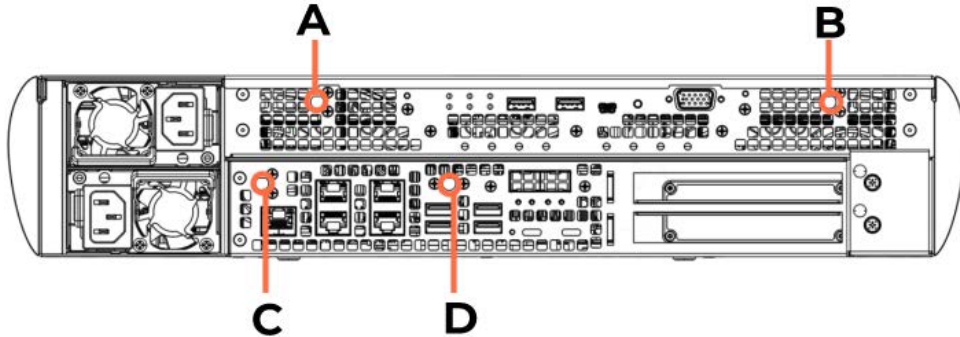
WARNING W080

Use only antennas which have been provided and approved by the manufacturer. Non-approved antennas may produce excessive radio frequency transmitting power and may exceed FCC/IC limits. Non-approved antenna use is prohibited.

See [Appendix A. Screws, washers and nuts](#)

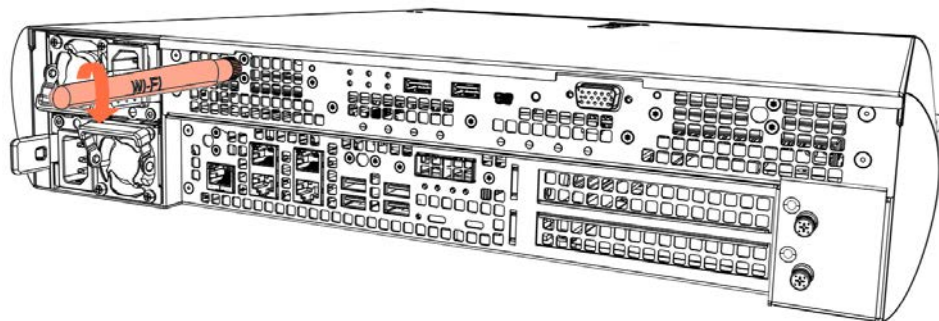
2.1. Installing the antennas

1. Locate the position for the antennas



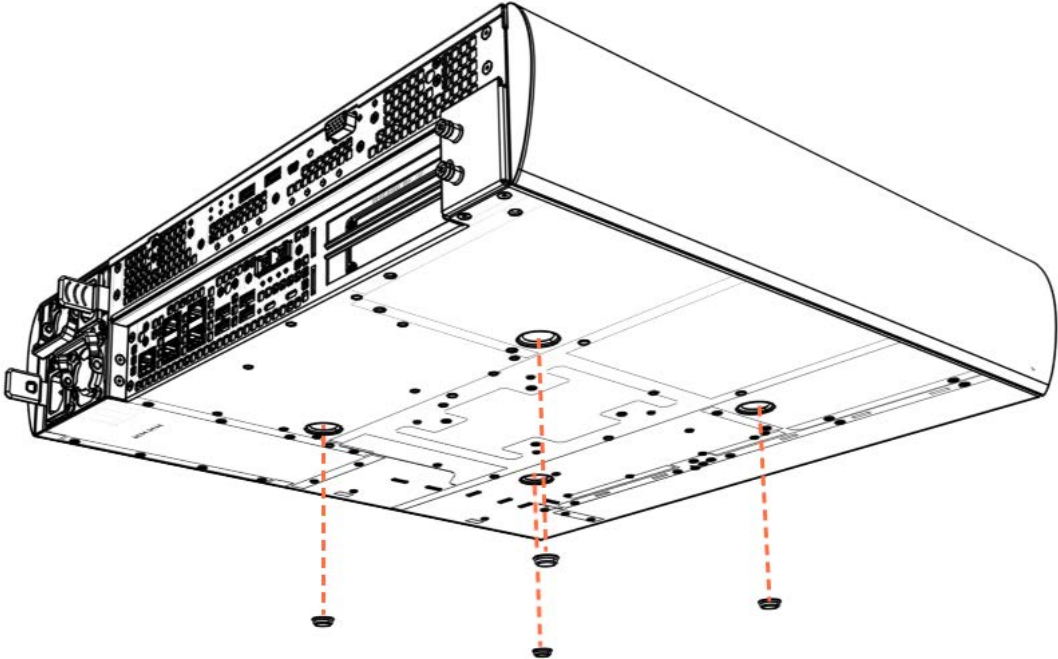
	Configuration 1 2 antennas	Configuration 2 3 antennas	Configuration 3 3 antennas	Configuration 4 4 antennas
A	<ul style="list-style-type: none"> ▪ Dual-band 2.4-5.9 GHz WIFI ▪ LoRa 	Dual-band 2.4-5.9 GHz WIFI	LTE/5G	Dual-band 2.4-5.9 GHz WIFI
B	LTE/5G	Dual-band 2.4-5.9 GHz WIFI	LTE/5G	Dual-band 2.4-5.9 GHz WIFI
C				LTE/5G
D		LTE/5G	<ul style="list-style-type: none"> ▪ Dual-band 2.4-5.9 GHz WIFI ▪ LoRa 	LTE/5G

2. Turn each antenna to fix it into place



2.2. Installing the server on a flat surface

Stick on the adhesive bumps under the server and install it on the flat surface.



2.3. Installing the server on a DIN rail

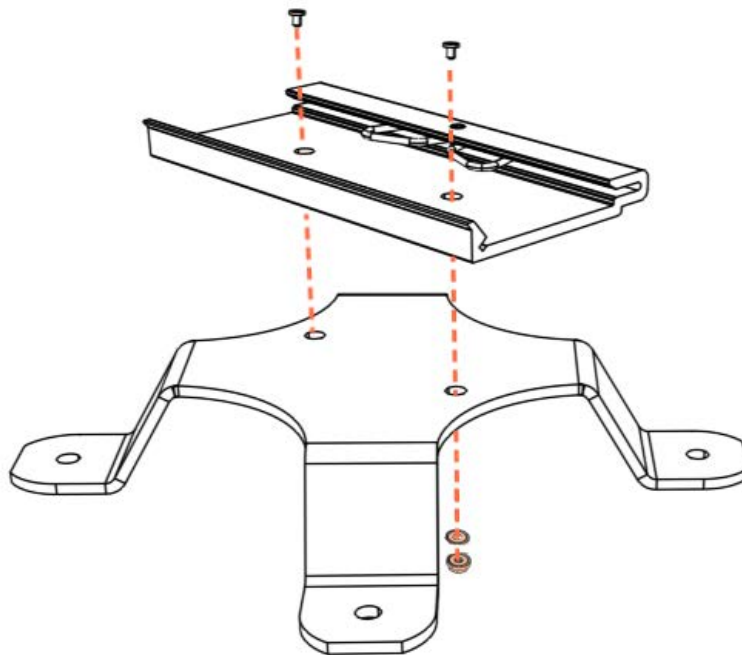
Required tools

T20 Torx screwdriver

Phillips screwdriver

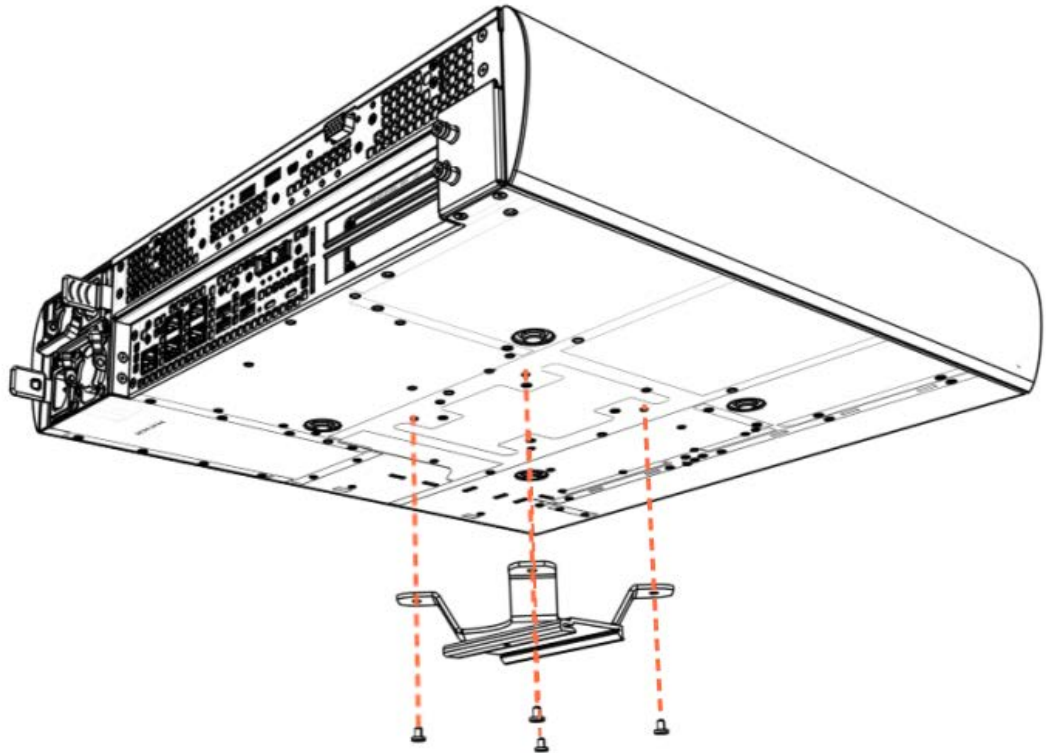
Procedure

1. Assemble the DIN rail kit with screws S1, washers W1 and nuts N1.

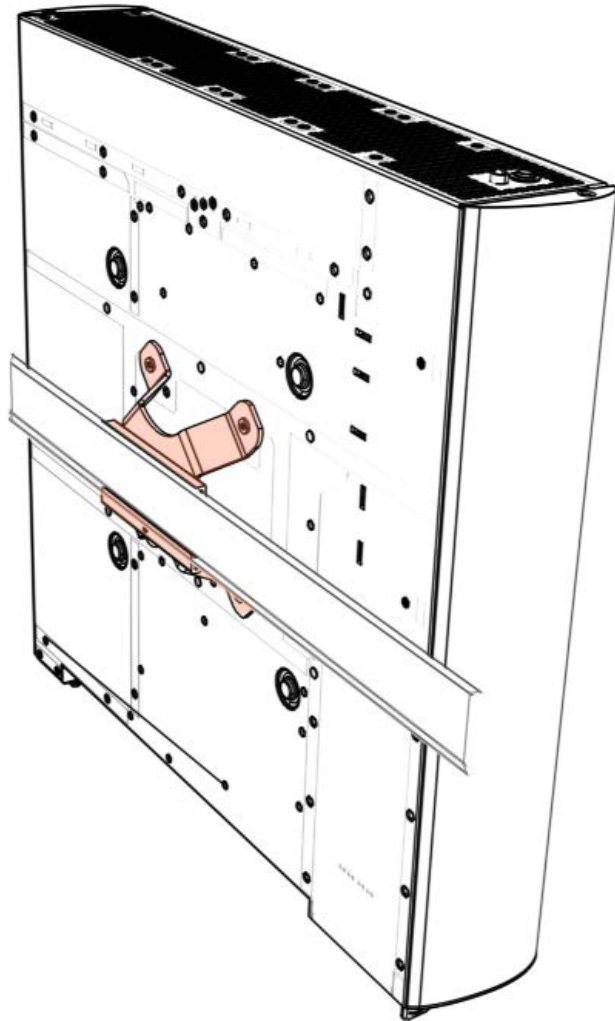


2. Assemble the DIN rail and the server.

Tighten the screws S3.



3. Turn the BullSequana EXD server to the upright position.
4. Attach the server to the DIN rail by carefully tilting it.



2.4. Installing the server on a VESA holder



WARNING W088

To secure the server safely to the wall the correct type of screw anchor must be used. The screw anchors should be designed for the wall construction material (wood, concrete, etc.) and capable of bearing a weight of up to 30 kg.

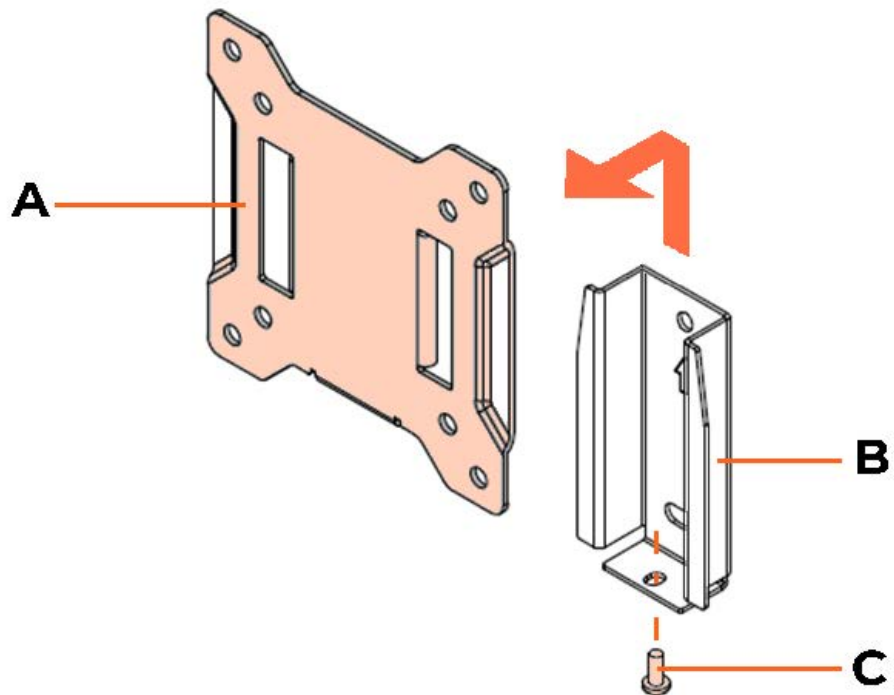
Required tools

- Phillips screwdriver
- Hex screwdriver
- Drill
- Hammer

Procedure

1. Separate the monitor plate from the wall plate

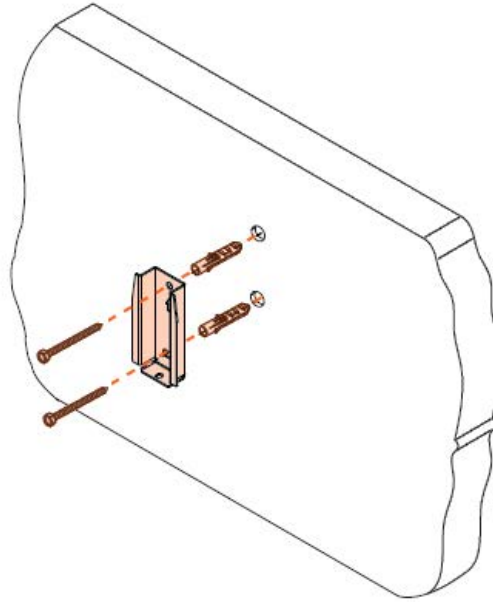
1. Remove the screw (C).
2. Slide the monitor plate (A) upwards to remove it from the wall plate (B).



2. Install the wall plate on a wall

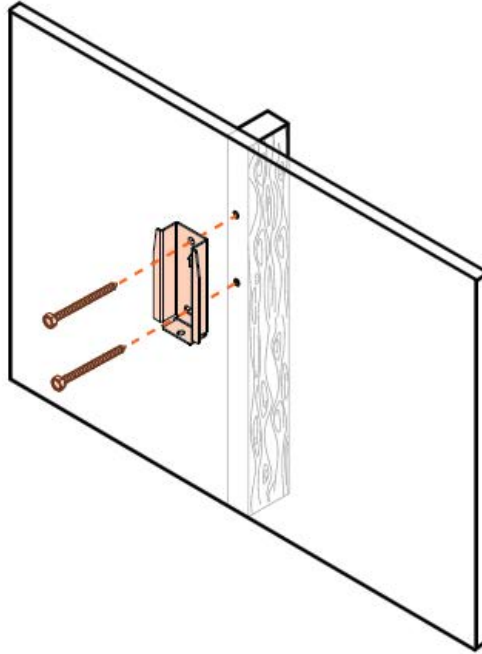
Case of solid wall

1. Drill two holes in the wall.
2. Fix the wall plate using screw anchors and lag bolts.



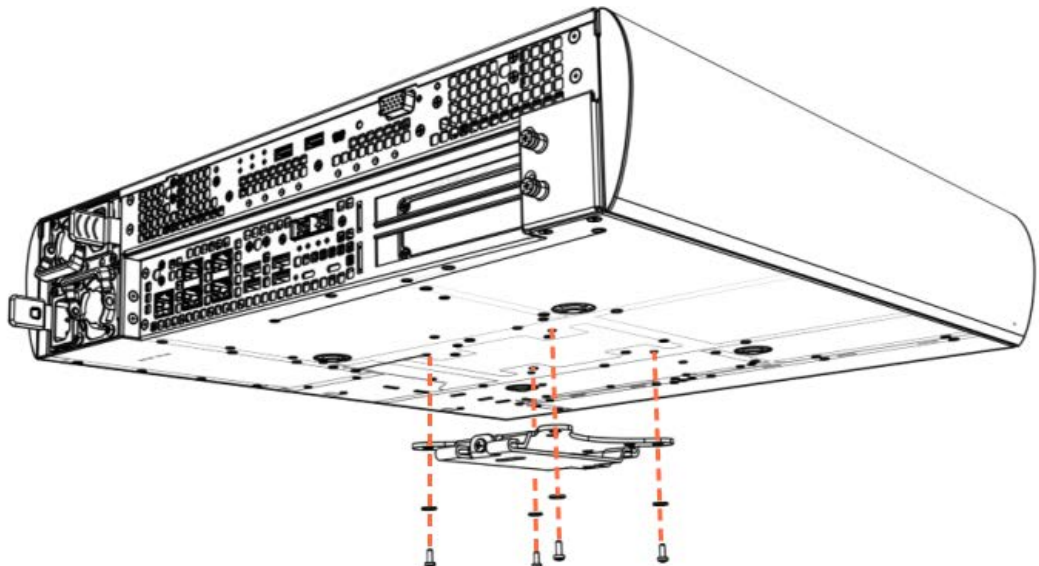
Case of wooden wall

1. Drill two holes in the wall.
2. Fix the wall plate using two lag bolts.



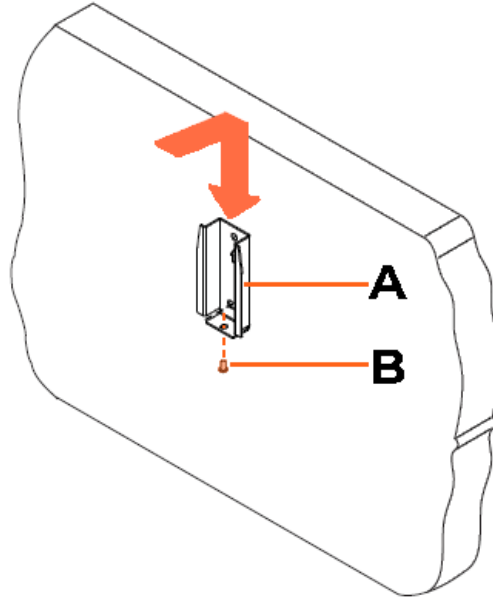
3. Install the monitor plate on the server

Tighten the screws S2.



4. Install the server on the wall


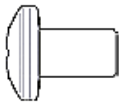


1. Slide the monitor plate downwards into the wall plate (A).
2. Tighten the screw (B) to secure the server in place.







Appendix A. Screws, washers and nuts

This appendix lists the screws, nuts and washers included in the delivery.



Screws

Mark	Head	Body	Diameter	Length	Description
S1			6 mm	10 mm	Pan head screw
S2			4 mm	8 mm	CBLZ head screw M4x8 Black
S3			4 mm	6. mm	CX low head screw M4x6

Washers

Mark	Head	Body	Diameter	Description
W1			6 mm	M6 Toothed Lock Washer
W2			4 mm	M4 conical spring lock washer

Nuts

Mark	Head	Body	Diameter	Description
N1			6 mm	Hex nut #6

