



# ProMAX Cache-A Installation and QA Guide

---

# Table of Contents

## Contents

About this guide .....	3
Hardware Installation .....	4
Building the Unit .....	4
Physical Build Review .....	5
System Tests .....	5
File Manager .....	7
Workflow Tests .....	7
Packaging / Cleanup .....	8

# About this guide

---

The ProMAX Platform V4 Installation and Guide is designed to help installation engineers build and install the Cache-A system before shipping.

# Hardware Installation

---

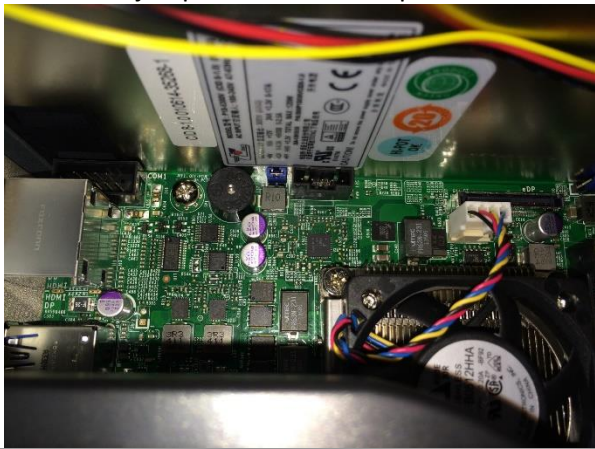
## Building the Unit

XXXXXXXXXXXXXXXXXXXXXXXXXXXX

# Quality Assurance Testing

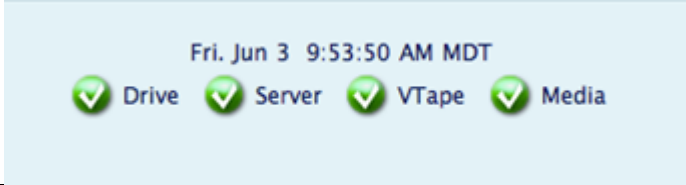
Customer Name	
Business Partner Number	
Production Order #	
Sales Order Number	
<b>Device Name: (Archivexx)</b>	
<b>ProMAX Serial Number</b>	
<b>Cache-A Serial Number</b>	
QA Engineer Name	

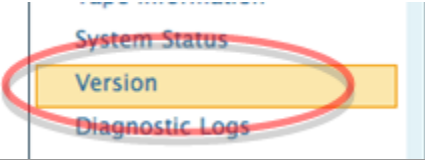
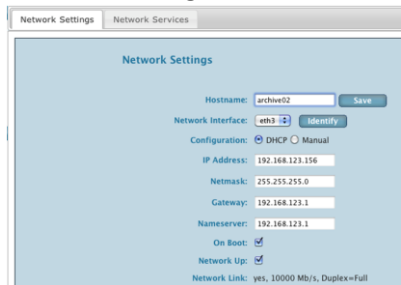

## Physical Build Review

Test	Passed?	Problem Found
Check Production Order – All equipment installed?		
Check all screws – tight		
Check all cables properly connected and secure		
PCIe cards locked down and secure		
USB recovery stick included in chassis and secure?		
Serial Number attached to back of unit?		
Make sure jumper is set next to speaker		
		
Check for Scratches		
Other		
Other		

## System Tests

Test	Passed?	Problem Found
Make sure name of device “Archivexx” is listed at top of machine.		

Check USB Ports Front Rear		
Check eSata Port - Front		
Check SAS Port – Connect Sidecar (Tape drive should show up after reboot in File Manager)		
Check File Manager: Health status is all green (if media has a yellow warning sign, insert tape and refresh screen)		
		

Test	Passed?	Problem Found
Check Version Should be 3.4.4 		
Go to Network Settings		
Make sure eth0 shows up and DHCP is working  eth1 should also show network up.		
Test 10GbE Ports if available. Connect cables to Mac or PC. Bring up the connection and make sure you can ping the ports.		
System displays current time & date 		

## File Manager

Test	Passed?	Problem Found
Insert a Tape into the Drive (Make sure to use the largest tape type available. IF LTO-6 drive, use LTO-6 Tape)		
Make sure tape shows up correctly.		
Source Directory Tests <ul style="list-style-type: none"> <li>- Toggle between VTAPE and Cache-A Share</li> <li>- Toggle between Current Tape, VTAPE and Catalog</li> </ul>		
Other		
Other		

## Workflow Tests

Test	Passed?	Problem Found
Format Tape as LTFS		
Copy 30+ GB to Tape		
Restore 30+ GB from Tape to Cache-A Share		
Format Tape as tar		
Copy DPX Files (160GB) to Tape		
Restore 4 Files from Tape to Cache-A Share		

System Tools	Passed?	Problem Found
<b>Support Connect Tab</b>		
Ensure you can connect to support (ask the support team to connect from the support server)		
Ensure once connected you get the port number listed		
<b>RAID Settings Tab</b>		
RAID Volume /dev/md0		

Number of HDD's in unit match (2) on Pro and Prime (4) one Power		
State is clean		
Failed devices 0		
Spare devices 0		
Rebuild Status: OK		

Library	Passed?	Problem Found
Depending on the size of the library, all bays should be listed		

\*To see the library or side car, you must click on the "Drive#:" drop down menu on the file manager link (on the left hand side of the page) and select it in order to view it. Library will say "Library" and side car will be listed as Main 2 (LTO#).

\*If library is not authorized by support, you will not see it listed in the "Drive#:" drop down menu.

Run a smart drive test on the machine and make sure all drives return positive results. To do this you will have to open the terminal on the desktop. It looks like a small TV screen.

- At the command prompt type "lsblk" (this will show a list of drives you can check). You will notice it list /dev/sda and /dev/sdb. You might also see some squiggly lines associated with it. Those are partitions and are part of the entire drive.
- Next run smartctl -t short /dev/sda (you must perform this for each drive letter to test all the drives, i.e. a, b, and c and d if listed)
- Once smartctl -t short /dev/sda is complete it will return you to the command prompt. Next type smartctl -a /dev/sda to review the results. When this is completed you are looking to see if the drive passed and making sure all re-allocated sectors are 0 (zero).

## Packaging / Cleanup

Test	Passed?	Problem Found
Quick Start Guide Included		
Delete any tapes you added from the catalog		
Go to Administration/Utilities and clear the cache-a share		
How to contact support flyer included		
Reboot: Does system start without errors?		