


# Test Report

## PRIMERGY TX1330 M3 with CentOS

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## Release Overview

This paper comprises the test reports of the PRIMERGY TX1330 M3 with the free operating system CentOS versions and platforms as described as follows.

OS	Conf01. SAS Array Controller Card PRAID EP420i	Conf02. SAS Array Controller Card PRAID EP400i	Conf03. SAS Array Controller Card PRAID CP400i	Conf04. OnBoard SATA Controller
CentOS 7.3(x86_64)	YES(Note 6)	YES	YES(Note 6)	YES(Note 5, 6)

Legend
Yes: Installable      No: Not installable      -: Unknown Note: Check that ServerView Agents are only installed on target operating system.
Explanatory notes
1. Requires LAN driver 2. Install in TEXT mode 3. Requires SAS controller driver and LAN driver 4. Requires SAS controller driver 5. Requires SATA controller driver 6. Can be installed logically 7. Other

### Warranty conditions

Fujitsu is providing all work for customer's convenience only under the conditions of Fujitsu's general Warranty Disclaimer for Community and Regional Linux: [ftp://ftp.ts.fujitsu.com/community-linux/Community\\_Linux\\_Warranty\\_Disclaimer.pdf](ftp://ftp.ts.fujitsu.com/community-linux/Community_Linux_Warranty_Disclaimer.pdf)

The information presented in the CentOS test reports is strictly based on results obtained in a test environment prepared by Fujitsu and is not intended to guarantee operation of a free operating system in the customer's user environment or to encourage use of a free operating system. Information contained in this document may be subject to change without notice.

### Disclaimer of liability

Due to many hardware and software components involved, the possibility of system crashes, data loss or other negative consequences for your system cannot be excluded. Fujitsu shall not bear responsibility for any loss that the customer may incur as a result of having installed and/or used a free operating system based on the verification data presented here.

Fujitsu Customer Service is unable to accept inquiries or provide support relating to the use of PRIMERGY on free operating systems.

Customers are therefore requested to take full responsibility for the installation and use of such free operating systems.

Hardware repair and maintenance shall be limited to machines operating under the duly supported OS environment.

### Support

Support is only provided by the CentOS community. Please refer to the Warranty Disclaimer for details on Warranty and Liability of the downloaded ServerView agents and ServerView RAID Manager.

### References

Fujitsu Linux Internet:

<http://ts.fujitsu.com/linux>

Community and Regional Linux FTP site:

<ftp://ftp.ts.fujitsu.com/community-linux>

Warranty Disclaimer:

[ftp://ftp.ts.fujitsu.com/community-linux/Community\\_Linux\\_Warranty\\_Disclaimer.pdf](ftp://ftp.ts.fujitsu.com/community-linux/Community_Linux_Warranty_Disclaimer.pdf)

Fujitsu "Drivers & Downloads" site:

<http://support.ts.fujitsu.com/com/support/downloads.html>

OS compatibility matrix:

<http://docs.ts.fujitsu.com/dl.aspx?id=d4ebd846-aa0c-478b-8f58-4cfb3230473>

## Test configuration conf02

### Hardware environment:

PRIMERGY TX1330 M3

- CPU : Intel Xeon E3-1230 v6 @ 3.50GHz/4core/8MB x1
- Memory : 16GB
- NIC : Onboard 10BASE-T/100BASE-TX/1000BASE-T x2
- HDD : SAS HDD-300GB x2
- External storage : Internal DVD drive

### Device driver [Driver name]:

- LAN : Intel Corporation I210 Gigabit Network Connection (rev 03) [igb]
- VGA : Matrox Electronics Systems Ltd. MGA G200e [Pilot] ServerEngines (SEP1) (rev 05)
- RAID : LSI Logic / Symbios Logic MegaRAID SAS-3 3108 [Invader] (rev 02) [megaraid\_sas]

## PRIMERGY TX1330 M3 with CentOS 7.3 (x86\_64)

## Installation and Operational Checking Results with Conf02

PRIMERGY TX1330 M3 CentOS 7.3 (x86\_64) 3.10.0-514.el7.x86\_64

No.	Item checked	Result
1	Is there HDD/RAID driver support? (OS standard or special)	OS Standard
2	Is there LAN driver support? (OS standard or special)	OS Standard
3	Is installation possible in the verification machine?	OK
4	Is reboot possible after installation, and does the OS start correctly?	OK
5	Can the GUI be used?	OK
6	Can the keyboard be used?	OK
7	Can the mouse be used?	OK
8	After OS start, is login as a root user possible?	OK
9	Can a USB stick disk be used?	-
10	Can the CD/DVD-ROM drive be used?	OK
11	When logged in as a root user, does the "shutdown -h now" command perform shutdown?	OK
12	Confirmation of write to local disk (write, delete, etc.)	OK
13	Are the values set during installation displayed correctly (ip command)?	OK
14	Can a ping be sent from the verification machine to another PC?	OK
15	Can a ping be sent to the verification machine from another PC?	OK
16	Can a network utility (ip, nmcli, nmtui, etc.) be used to change the network configuration?	OK
17	Can the web service (httpd) be used?	OK
18	Can the ftp service be used?	OK
19	Can the nfs service be used?	OK
20	Can the Network data transfer (nfs) be used?	OK
21	Result of disk array management tool [ServerViewRAID] installation?	OK
22	Result of server management software [ServerView Agents] installation?	-
23	Does the OS run even if the HDD on one side is removed? * Remove HDD when stopped, and then start	-(*)
24	Is login as a root user possible if the HDD on one side is removed?	-(*)
25	Can the touch command be used to write if the HDD on one side is removed?	-(*)
26	Does the OS start when restart is performed if the HDD on one side is removed?	-(*)
27	Is the RAID configuration rebuilt when the RAID on one side is put back?	-(*)
28	Is reboot possible and does the OS start correctly after RAID configuration rebuilding ends?	-(*)
29	Is login as a root user possible after RAID configuration rebuilding ends?	-(*)
30	48 hours stress test of CPU, HDD and network using cpubench, bonnie and phoronix test suite	-(*)

\*1 Done with the corresponding Red Hat Enterprise Linux version.

## ■ Installation procedure

1. After DVD boot, select [Install CentOS 7] and press Enter.
2. Follow usual procedure for remainder of install.
3. The relevant Server Management Software (ServerView) including manuals are located on the Fujitsu download site of the respective server for the corresponding Red Hat Enterprise Linux version.

Reference: <http://support.ts.fujitsu.com/download/index.asp>.

Contact

FUJITSU [Company Name]  
Address: x-xx-x, street, city, state, ZIP code, country  
Phone: xx-xxxx-xxxx  
Fax : xx-xxxx-xxxx  
E-mail: xxx.xxxxx@xx.fujitsu.com  
Website: www.fujitsu.com/[Country Code]  
YYYY-MM-DD [Region Code] [Language Code]

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