

Installation Protocol SUPERMICRO SuperServer 6029P-TR/TRT

31/07/2019

Server: [SUPERMICRO SuperServer 6029P-TR/TRT](#),

Quick Reference Guide v1.0b

User`s Manual
Server Info

Quick Specs: 96GB RAM, 2 x 10TB HDD, 2 x 480GB SSD, 2 x Ethernet ports, 1 x IPMI/ILO

BIOS Version: 3.1

unibz-stock: 20859

S/N: RK017411

Bill Date: 02.07.2019

Hostname: ismard.inf.unibz.it

Requirements

Hardware:

- Server
- Monitor (VGA)
- USB Keyboard

Software:

- Ubuntu 18.04.2 LTS 64bit USB

Server is mounted in 19" Rack SU with 2 x Power Cables, 2 x Ethernet Cables and ILO Cable connected

Connect Monitor and Keyboard at Back panel; press Power button on front panel.

Logical Drives

The Server is already configured in the following way:

Install Ubuntu Server 18.04.2 LTS 64 bit

Reboot with USB-Stick connected!

When Installation is running follow the guide:

Set IP, NM, GW, DNS1, DNS2

```
Server Name: ismard
Domain: inf.unibz.it
IP: 10.2.120.125
User: CS-Tech Team
login: csadmin
password: *****
repeat: *****
No encrypted home
Yes timezone

Partition:

/dev/mapper/ismard--vg-root 438G 2.0G 414G 1% /
...
/dev/mapper/vg01-lvol1      9.1T 80M 8.6T 1% /bigdata
```

x Install OpenSSH server

REBOOT

IPMI/ILO Setup

1. Connect IPMI/ILO port to switch
2. Enter in BIOS when booting, by pressing ESC or DELETE key
3. Setup static IP, NW and GW

Infos:

IP: 10.10.20.125
NM: 255.255.252.0
GW: 10.10.23.254

login: ADMIN
password: *

RAID Controller Software

```
lspci | grep -i raid
```

```
18:00.0 RAID bus controller: Broadcom / LSI MegaRAID SAS-3 3108 [Invader]
(rev 02)
```

Download MegaCLI 5.5 P2 from via Browser: <https://docs.broadcom.com/docs/12351587>

To convert rpm to deb, only needs once!

```
apt install alien
```

```
alien -k --scripts MegaCli-8.07.14-1.noarch.rpm
```

```
dpkg -i megaccli_8.07.14-1_all.deb
```

```
vi ~/.profile
```

```
# set PATH so it includes gpg-tui's bin if it exists
if [ -d "/opt/MegaRAID/MegaCli" ] ; then
    PATH="/opt/MegaRAID/MegaCli:$PATH"
fi
```

Show all physical drives:

```
MegaCli64 -PDList -aAll
```

Links

[Software for Download \(for IPMI\)](#)

Software

IPMIView is a GUI-based software application that allows administrators to manage multiple target systems through BMC.

SMCIPMITool is an out-of-band Supermicro utility that allows a user to interface with SuperBlade® systems and IPMI devices via CLI (Command Line Interface).

Install 2 x 20TB Disks

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