

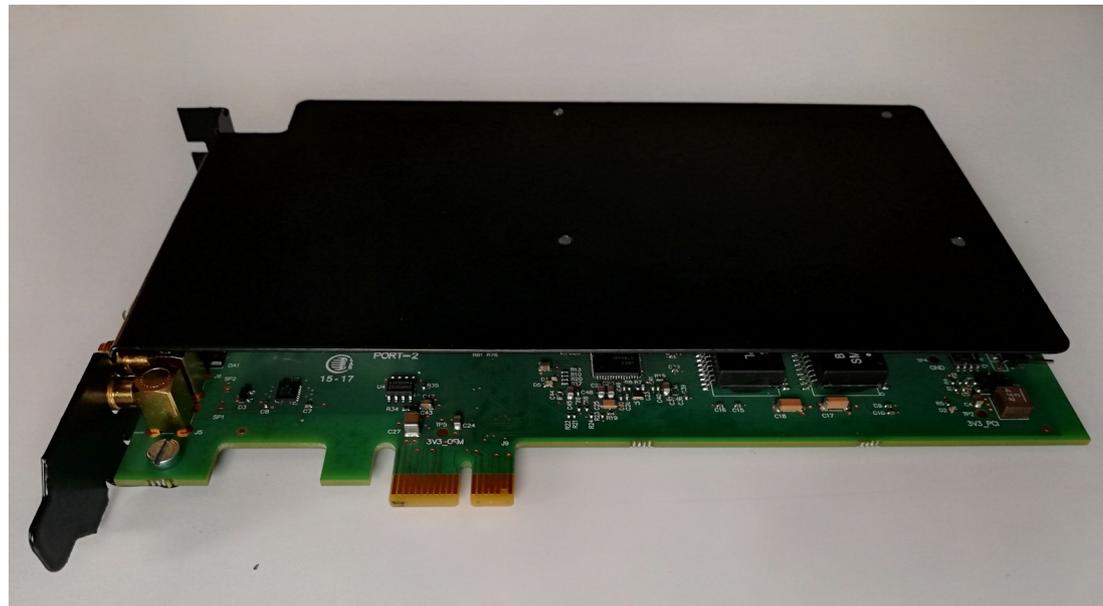


## RELY-PCIe

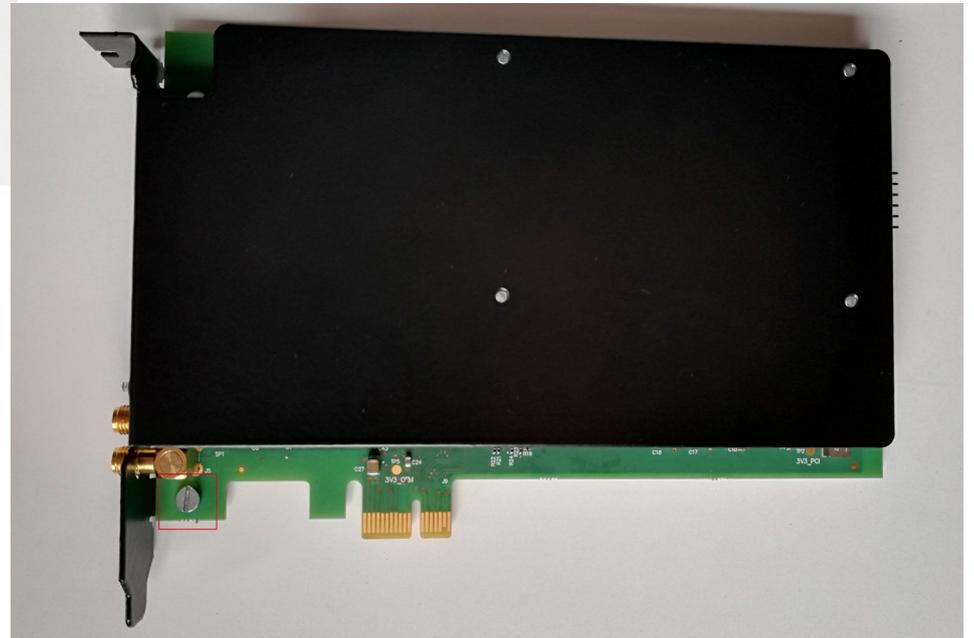
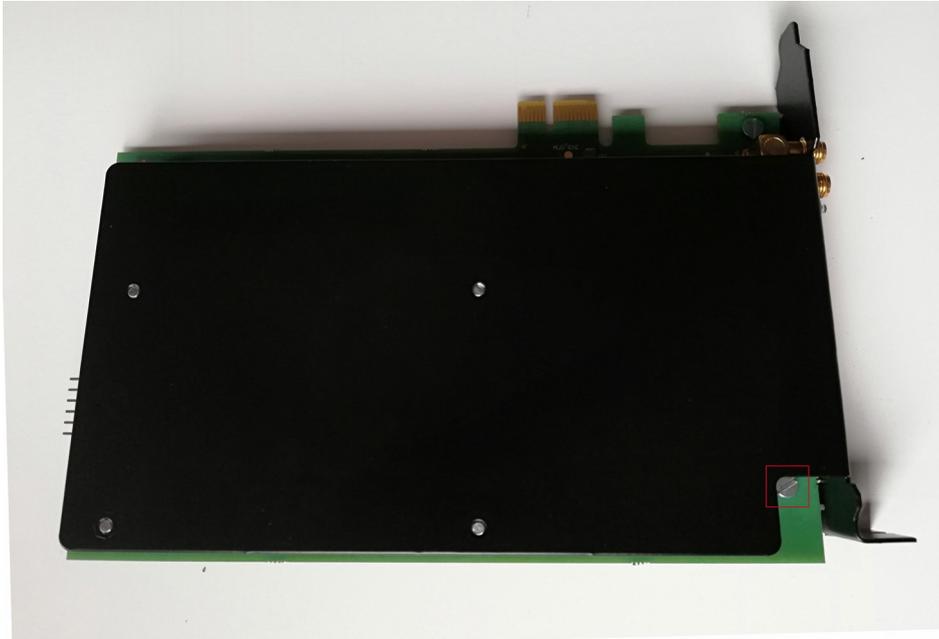
Restore the configuration with SD card.

# Extracting SD card from PCIe board

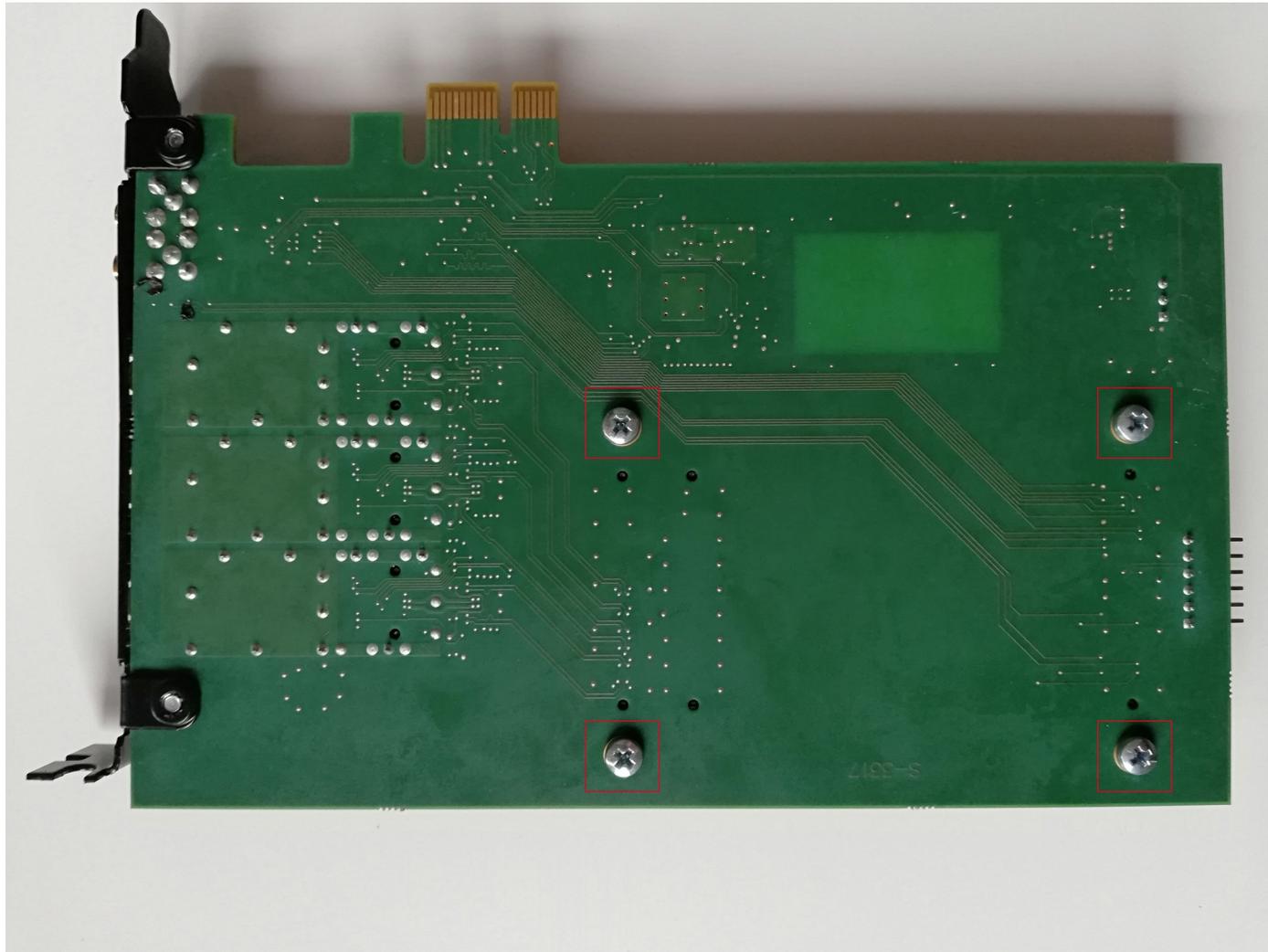
Take the PCIe board out of the computer and follow the steps below to extract the SD card.



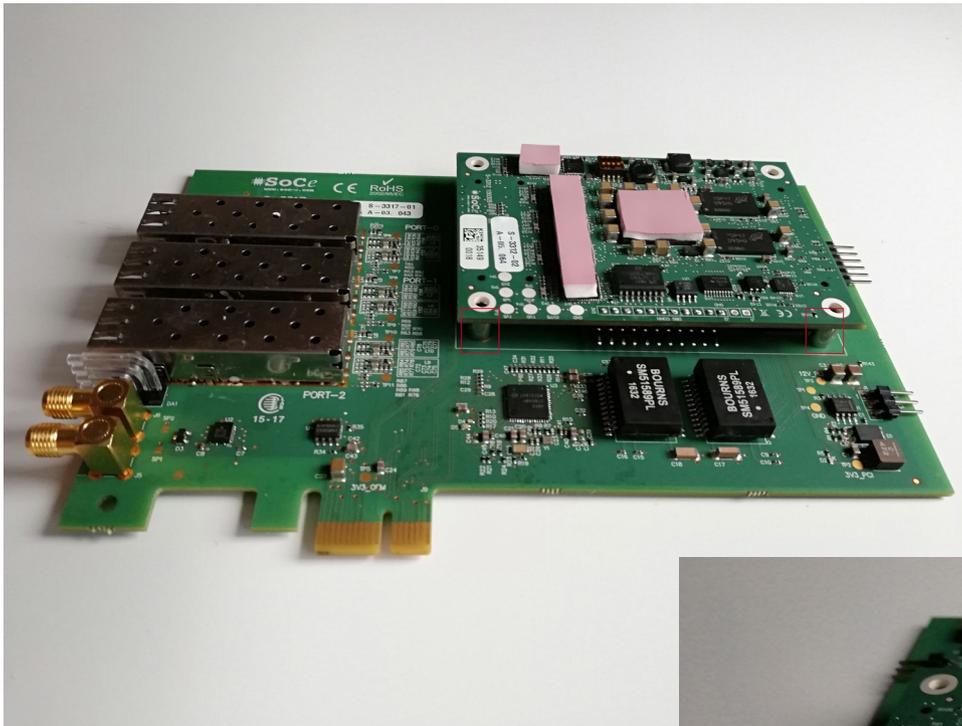
Remove the screws from the top layer.



Remove the screws from the bottom layer.



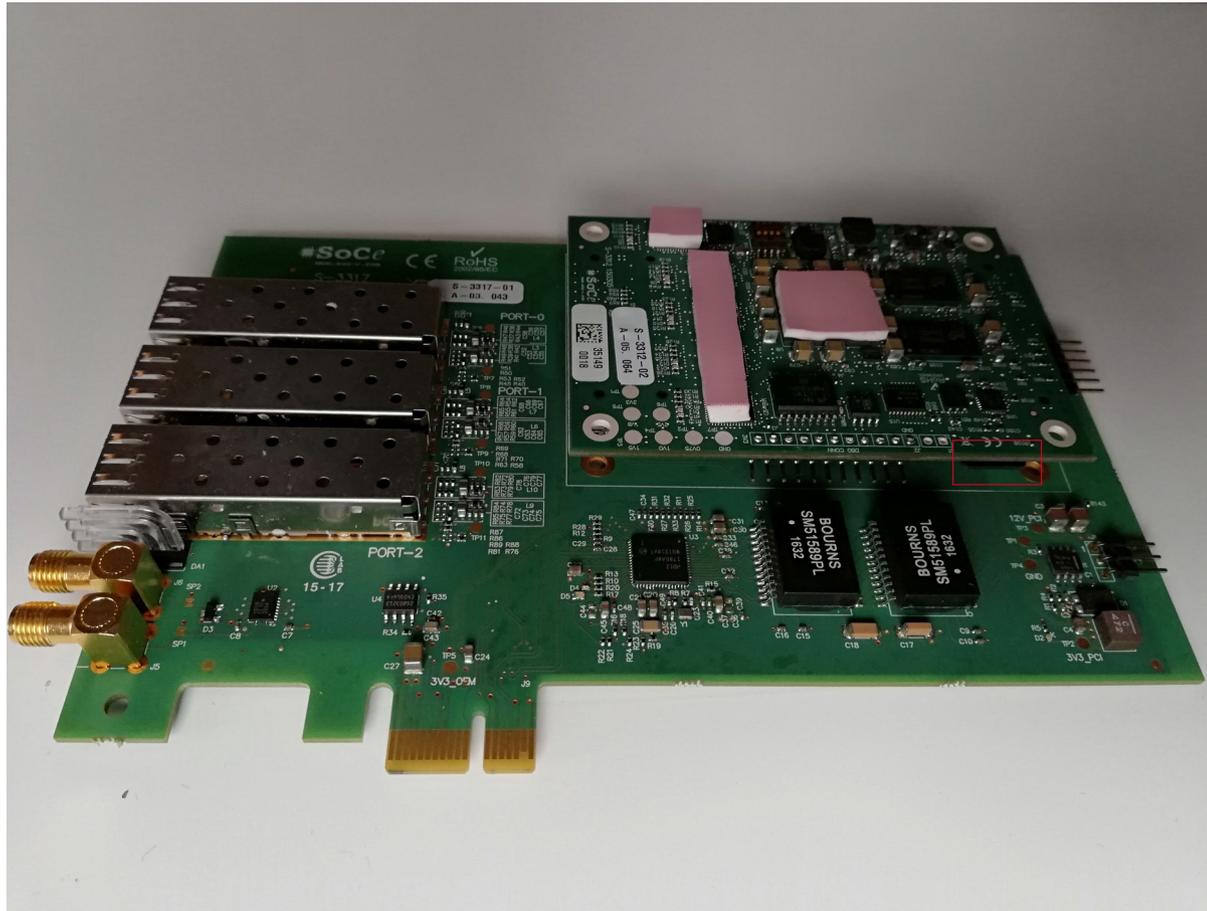
Beware of spacers, they are not secured and can be lost (preferably remove them).



At this point all the housing has been removed and you can access the SD card easily.



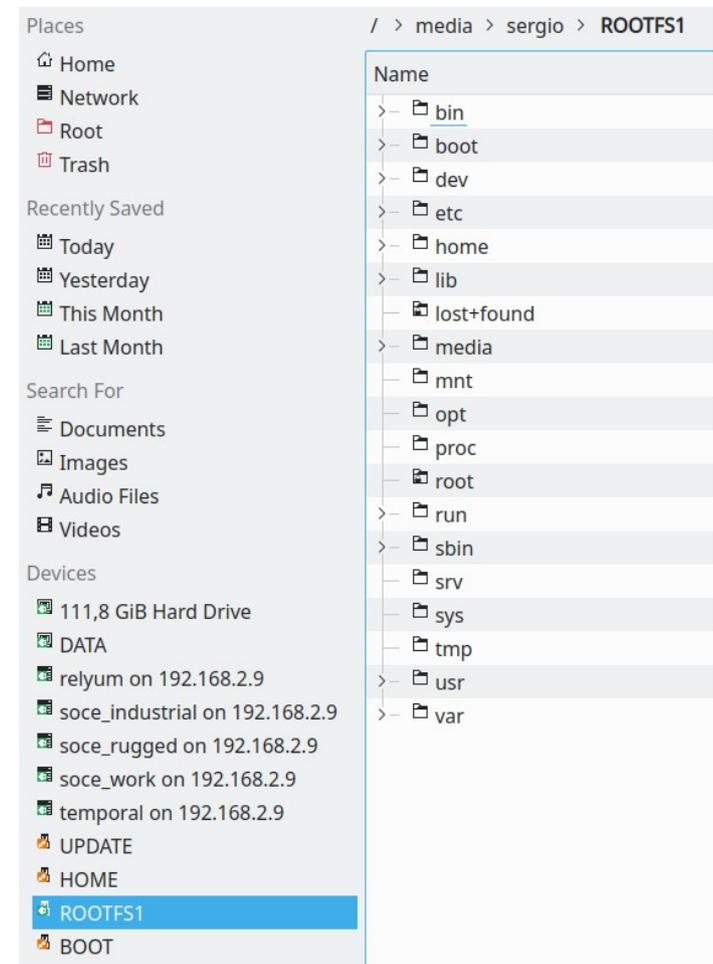
# Extract the SD card



# Restoring VLAN to disabled state

# SD card structure

- » The SD card contained in the RELY\_PCIe board has four partitions.
- » The second partition is an ext4 partition containing the entire Linux filesystem. You must open this partition in a Linux machine.



# Switching configuration file

- » Once the root file system is mounted on a Linux machine browse to the next file:
- » `/[your_mount_path]/etc/spt_service/configs/current/global.conf`

```
/ > media > sergio > ROOTFS1 > etc > spt_service > configs > current |
```

Name
global.conf
lighttpd-htdigest.user
mstpd.conf.vars
ntp.conf.template
ntp.conf.vars
platform_init.conf
ptp4l.conf.template
ptp4l.conf.vars
snmpd.conf.template
snmpd.conf.vars
SWITCH_rate_limiting.conf
SWITCH_switching_portmask.conf

# Disable VLAN

- » Open global.conf file with a text editor and search for the next line:
- » SWITCH:mes\_port\_virtual\_vlan=1
- » Change configuration field value from “1” to “0” to disable VLAN.
- » SWITCH:mes\_port\_virtual\_vlan=0
- » Once VLAN is disable you should be capable of accessing the board using the previous IP.

# Configuring VLAN in the right sequence

# VLAN configuration sequence

- 1) Go to “general setting”. By default there are one network interface with IP addresses 192.168.4.64. Add a virtual network interface associated with a VLAN number (i.e: eth1.10) and with an IP in another subnet (i.e: 192.168.8.64).
- 2) Reboot the PCIe board from the web interface.
- 3) Go to “Advanced network > VLAN configuration” and add the desired configuration for the selected VLAN number (i.e: 10). Internal port should be a trunk port (see below).

Advanced Network | VLAN CONFIGURATION Apply changes

VLAN CONFIGURATION

VLAN enabled

	Name	ID	PORT_0	PORT_1	PORT_2	PORT_PCie	INTERNAL_PORT
<input type="checkbox"/>	VLAN_10	10	N/A	N/A	Access	Access	Trunk

[Add VLAN](#) [Clear table](#)

# VLAN configuration sequence

- 4) When you apply VLAN configuration, the 192.168.4.64 IP address is no longer accessible.
- 5) In your web browser open 192.168.8.64 IP address.



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