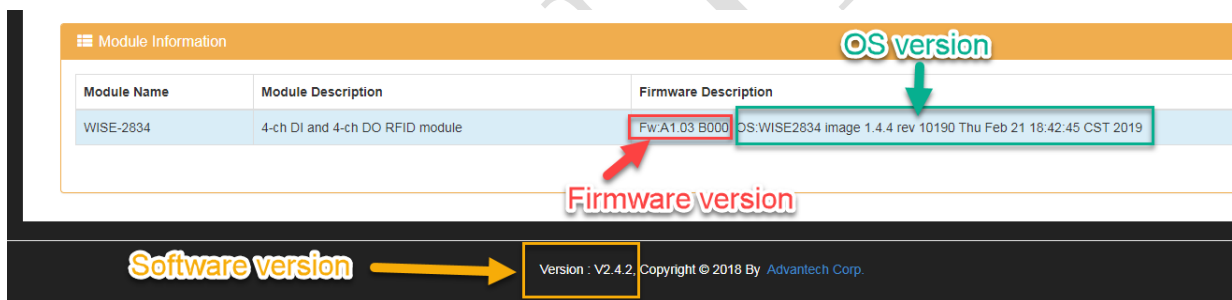


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|------------------------|---|-------------------|--------------|
| Date | 2020/1/14 | SR# | 1-4058562639 |
| Category | ■FAQ □SOP | Related OS | N/A |
| Abstract | How to upgrade the SW of WISE-2834 & ADAM-6700? | | |
| Keyword | Image upgrade | | |
| Related Product | WISE-2834, ADAM-6700 | | |

■ Problem Description:

This document demonstrates how to upgrade the software environment of WISE-2834 and ADAM-6700 by store the files in a pen drive, but a user can also store the upgrade files inside internal space. These 2 modules are using the same OS image kernel. The log-in account and password is the same. Be aware the software and firmware are using different files. Only the upgrade method is the same.



■ Brief Solution:

1. Store the files in the module or a pen drive.
2. Use putty to connect with the module.
Account: root
Password: (no password)
3. Check the micro SD status with command `#df -h`.

The following result is before plug-in the pen drive on to the module.

```
172.16.13.134 - PuTTY
login as: root
root@172.16.13.134's password:
root@wise2834:~# df -h
Filesystem                Size      Used Available Use% Mounted on
ubi0:rootfs               171.1M    153.4M      13.0M  92% /
devtmpfs                  235.8M    116.0K    235.7M   0% /dev
tmpfs                     16.0M     76.0K     15.9M   0% /var/volatile
tmpfs                     248.0M         0     248.0M   0% /dev/shm
tmpfs                     16.0M         0      16.0M   0% /media/ram
/dev/ubi1_0               265.5M     88.7M    172.0M  34% /home
root@wise2834:~#
```

The following result is after plug-in the pen drive on to the module.

```
root@wise2834:~# df -h
Filesystem                Size      Used Available Use% Mounted on
ubi0:rootfs               171.1M    153.4M      13.0M  92% /
devtmpfs                  235.8M    128.0K    235.7M   0% /dev
tmpfs                     16.0M     84.0K     15.9M   1% /var/volatile
tmpfs                     248.0M         0     248.0M   0% /dev/shm
tmpfs                     16.0M         0      16.0M   0% /media/ram
/dev/ubi1_0               265.5M     88.7M    172.0M  34% /home
/dev/sda1                 15.2G    279.2M     14.9G   2% /media/sda1
root@wise2834:~#
```

4. Use the command `# cd /xxxx` to transfer the execute folder. For this example, the upgrade files are under folder `/media/sda1`, so we use the command `#cd /media/sda1`. The result in yellow should be the one matching with your command.

```
172.16.13.134 - PuTTY
login as: root
root@172.16.13.134's password:
root@wise2834:~# df -h
Filesystem                Size      Used Available Use% Mounted on
ubi0:rootfs               171.1M    153.4M      13.0M  92% /
devtmpfs                  235.8M    128.0K    235.7M   0% /dev
tmpfs                     16.0M     88.0K     15.9M   1% /var/volatile
tmpfs                     248.0M         0     248.0M   0% /dev/shm
tmpfs                     16.0M         0      16.0M   0% /media/ram
/dev/ubi1_0               265.5M     88.7M    172.0M  34% /home
/dev/sda1                 15.2G    279.2M     14.9G   2% /media/sda1
root@wise2834:~# cd /media/sda1/
root@wise2834:/media/sda1#
```

5. Use the command `# ls -al`, to check the exiting files and the read/write privilege of the files. If the files are shown in green, which means they are executable.

```
root@wise2834:~# cd /media/sda1/
root@wise2834:/media/sda1# ls -al
total 43176
drwxr-xr-x  2 root    root      8192 Jan  1  1970 .
drwxr-xr-x 14 root    root      944 Nov 15 13:56 ..
-rwxr-xr-x  1 root    root       88 Nov 12 13:06 install_wise2834.sh
-rwxr-xr-x  1 root    root 44194222 Nov 12 13:31 wise2834_V2_4_2.tar.gz
root@wise2834:/media/sda1#
```

If the file `install_wise2834.sh/install_adam6700.sh` is not in green, then use the command to change the privilege.

```
# chmod 755 install_wise2834.sh
```

Or

```
# chmod 755 install_adam6700.sh
```

- Use the command to upgrade the software and wait for the result in yellow box in the following figure.

For WISE-2834: `#sh install_wise2834.sh`

For ADAM-6700: `#sh install_adam6700.sh`

```
root@wise2834:~# sh install_wise2834.sh
kill old process...
kill: can't kill pid 4850: No such process
kill: can't kill pid 4855: No such process
start....

load rfid shared library

load io shared library

load gpio shared library
ldconfig: Warning: ignoring configuration file that cannot be opened: /etc/ld.so
.conf: No such file or directory
ldconfig: /lib/libstdc++.so.6.0.17-gdb.py is not an ELF file - it has the wrong
magic bytes at the start.

copy suto start script
ln: /etc/init.d/noderedStart.sh: File exists
ln: /etc/rc5.d/S99noderedStart.sh: File exists
ln: /etc/init.d/autoInstallSW.sh: File exists
ln: /etc/rc5.d/S99autoInstallSW.sh: File exists

Broadcast message from root@wise2834 (pts/0) (Tue Nov 12 16:02:07 2019):

The system is going down for reboot NOW!
root@wise2834:~#
```

- Check the software version whether if it is matching with the target one.

Module Information

| Module Name | Module Description | Firmware Description |
|-------------|---------------------------------|---|
| WISE-2834 | 4-ch DI and 4-ch DO RFID module | Fw:A1.03 B002, OS:WISE2834 image 1.4.4 rev 10190 Thu Feb 21 18:42:45 CST 2019 |

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