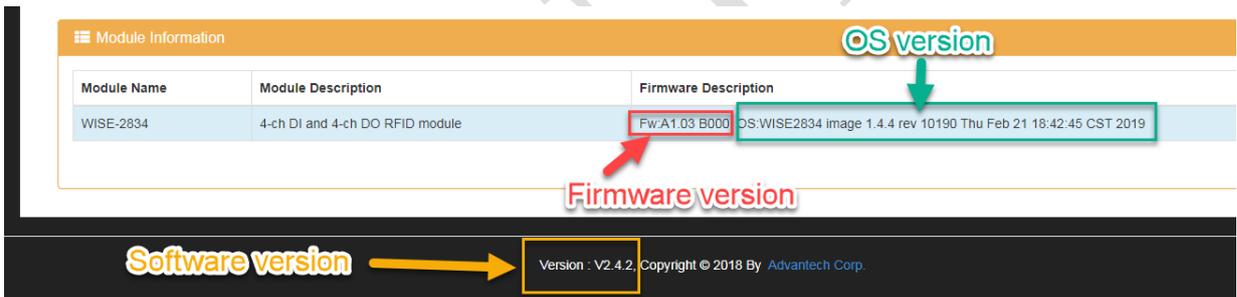


## Advantech AE Technical Share Document

<b>Date</b>	2020/1/14	<b>SR#</b>	1-4058562639
<b>Category</b>	<input checked="" type="checkbox"/> FAQ <input type="checkbox"/> SOP	<b>Related OS</b>	N/A
<b>Abstract</b>	How to upgrade the SW of WISE-2834 & ADAM-6700?		
<b>Keyword</b>	Image upgrade		
<b>Related Product</b>	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:~#

```

- 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#

```

- 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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