

A large graphic on the left side of the slide, consisting of a green L-shaped block and a grey L-shaped block, both with a 3D effect.

LTE UE Automatic FW Upgrade Function

1. Automatic FW Upgrade
2. UE Automatic FW Upgrade setting
3. Upgrade scenario 1 Every day
4. Upgrade scenario 2 Every XXX hours
5. Automatic FW Upgrade Flow Chart



- **Enable / Disable Auto Upgrade Firmware:** It means enable or disable auto upgrade FW function on UE.
- **Upgrade URL:** The upgrade server(FTP or http server) URL for download version file or UE firmware.
- **Version file:** Version file name. It is a text file that in the upgrade server for check FW version. There have two lines in the text file. The first line is FW version number and the second line is the FW full file name.

Example:

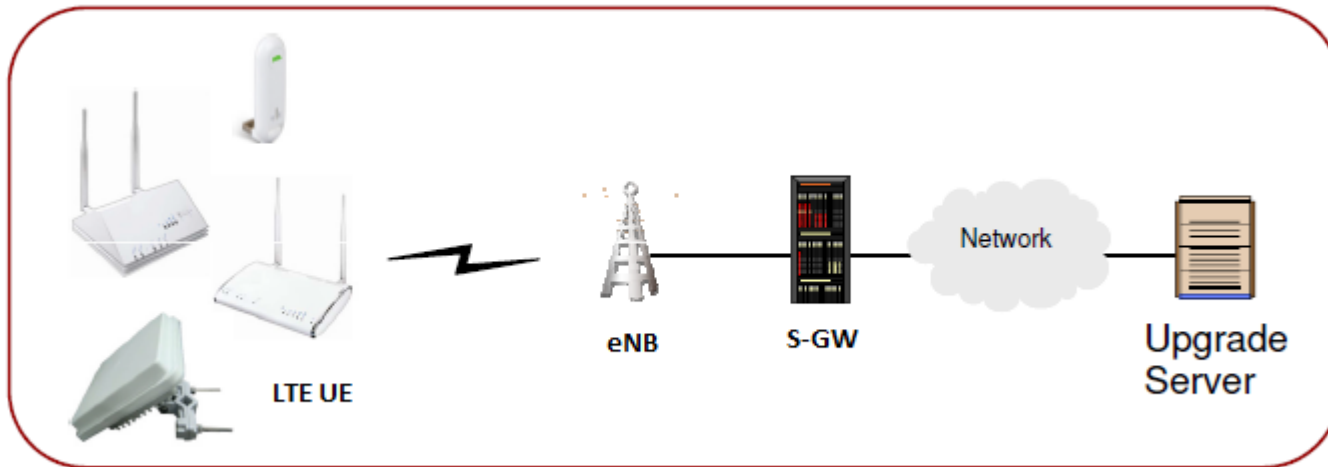
"v2.8.9.5-204"

"EX250_GP_v2_8_9_5.tar.gz"

- **Check new firmware every xxx hour:** It means the UE will check/upgrade FW every xxx hours(Min=1 hour, MAX= 744 hours), after UE boot up.
- **Start Time:** It means the auto FW upgrade service stating time everyday(0~23)
- **Random Time:** The random period of sleep time before actually connection to upgrade server for checking and updating hours(Min=1 hour, MAX= 24 hours).



- The LTE UE access the upgrade server and upgrade the firmware automatically



1. LTE UE checks the FW version on the server periodically
2. LTE UE downloads the FW file and upgrade, if the version on the server is higher than UE's version



Scenario 1: If customer want to UE check/upgrade FW every day 2AM~6AM, then we will need to set “start time” to 2 and “random time to 4 on UE

1.[Version Check]

UE checks the SW version on the FTP/HTTP server every day 2AM~6AM. (UE accesses the server randomly 2AM~6AM.) CPE downloads the version file from the upgrade URL and compare FW version.

2.[Upgrade]

UE downloads and upgrades the FW file from the upgrade URL ,if the version number on the server is higher.

3.[Reboot]

After upgrading, UE reboots automatically.



greenpacket Upgrade Scenario 2-- Every XX hours

Scenario 2: If customer want to CPE check/upgrade FW every week(168 hours) after UE boot up, then we will need to set “Check new firmware every ” to 168 (hours) on UE

1.[Version Check]

UE checks the SW version on the FTP/HTTP server every 168 hours after UE boot up. UE downloads the version file from the upgrade URL and compare FW version.

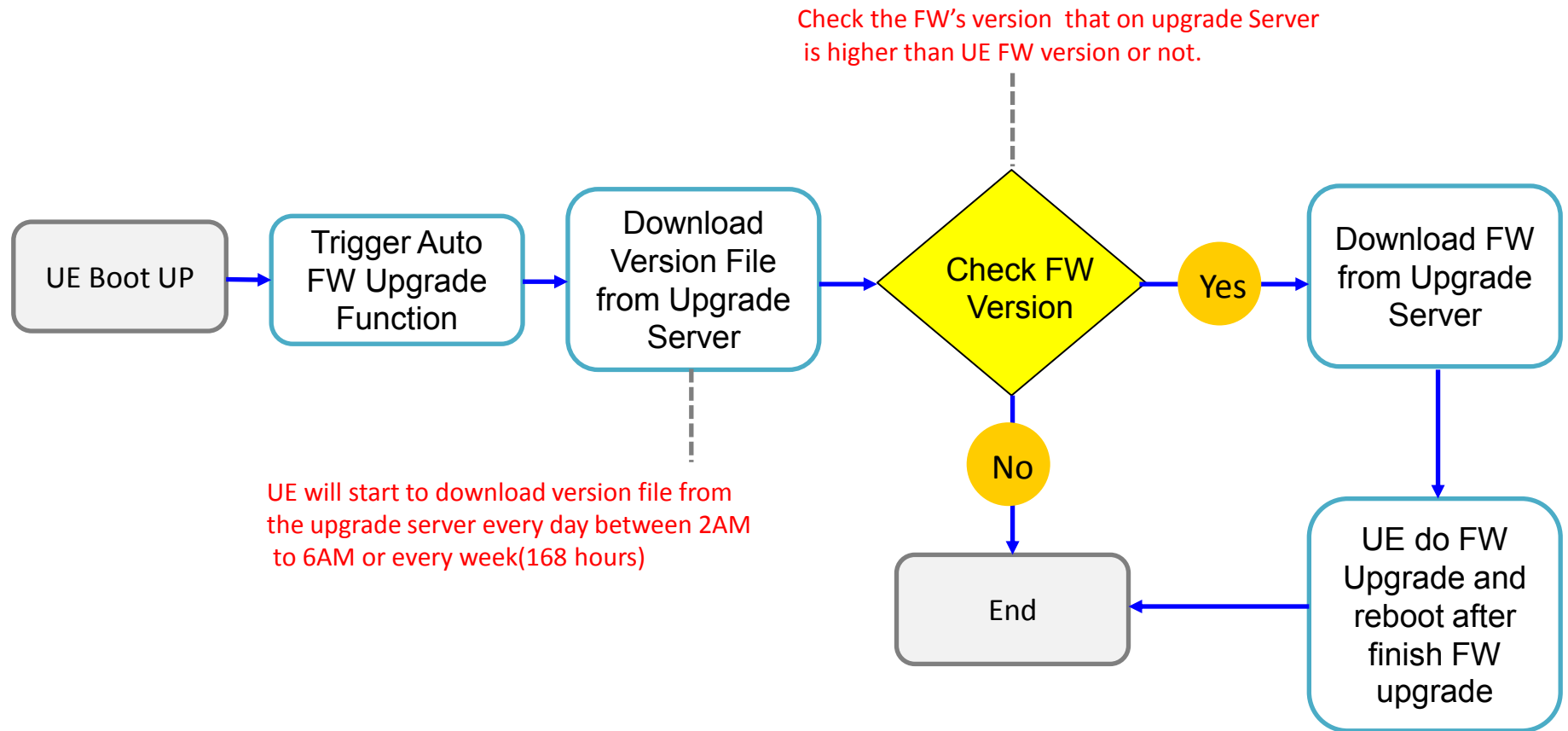
2.[Upgrade]

UE downloads and upgrades the FW file from the upgrade URL ,if the version number on the server is higher.

3.[Reboot]

After upgrading, UE reboots automatically.





END

