

QG-FC-6000 Firmware Update BIOS 1.48 EC 1.28 Installation Instructions

Note: Please note that once installed, these updates are not reversible. An updated device will update the battery firmware of the removable, and internal battery (if equipped). These updated batteries will no longer be able to be used in a unit with a BIOS/EC version below 1.48/1.28.

[22156 Global FC-6000 Windows Battery Firmware update EC 1.28 BIOS 1.48](#)

Steps to Install Battery Firmware Update (Be sure that AC Power is connected):

1. Attach a stable external power source (such as the 30W wall charger that was provided with the unit).
2. Download and copy the above FC-6000 Updater_UEFI_148_EC_128.exe file to the FC-6000 Windows unit. [FC-6000 Bios Version UEFI 1.48 EC 1.28 Download Zip](#)
3. Remove any external storage device (USB media) that you may have attached to the FC-6000 or dock.
4. Save and close any open files and running programs. Backup any critical data from the FC-6000 before proceeding as a precaution.
5. Run the FC-6000Updater_UEFI_148_EC_128.exe file on the FC-6000. When a black terminal (command prompt) window appears, you may need to press the Return keypad button or an on-screen keyboard button to continue.
6. Wait while the app starts the update process which might involve multiple Restarts (or reboots). After each Restart, the update app will be automatically launched.
Note: If you have a pin or password set up, you may need to enter it after each Restart and wait 10-15 seconds to continue.
7. It should take up to 20 minutes to update the firmware from an earlier version. When the app stops performing updates, follow the on-screen prompts.
8. Verify that the firmware has been updated successfully by tapping on the Windows (Start) button > Device Info to check that the BIOS Version (UEFI) is now 1.48 as well as the Embedded Controller (EC) version is now 1.28 in that window.
9. Update OS to 22292 in the case of windows IoT. For Windows Pro license units update OS to 22228, or at least patch 22039 then patch to 22292.2. [FC-6000 OS Build Version 22292 Download Zip](#)

Notes:

If an updated battery is installed in a device with an out-of-date EC/BIOS, the unit will not be able to completely boot. This can be resolved by removing the battery, then completing a hard reset on the device.

The OS patch needs to be at 22039 before the update will run, Otherwise, The OS Patch software will give an error saying it is the incorrect file.

Please see the linked article for more information on the update process: [TN-FC-6000 Battery Information](#)

If your device has a Windows Pro license (All products shipped prior to 18 October 2022) The operating system must be updated using the 22292 OS Patch update. The Pro licensed images were not updated from 22228 in the 22292 release, Only OS installation images licensed for Windows IoT were brought up to 22292.

Once updates are complete, battery status, and firmware version can be reviewed in device info. In the case that either of the batteries report as imbalanced in device manager, these cells will balance over future charge-discharge cycles.

If a “Reset this PC” is completed, the device will continue to run with updated batteries, however their Firmware version, and Status won’t report in Device manager.