Release Date: April 3rd, 2015

Release number: 9105

9105 FW adds the following features:

- Improved USB Charge Controller detection algorithm to better support devices that improperly responded to the CDP flag but did not support data transfer while rapid charging.

- Fixed an issue where the Hub might not enter Low-Power Mode when CDP mode is enabled and the hub is connected to an AC Adapter but not a USB Host.

- Updated USB Charge Controller to better support new devices such as Nexus 7 and Galaxy Tab

- Improved corner performance for both USB 3 and USB 2 with additional error handling mechanisms

- Adds option to enable CDP charging mode.

- Optimized SSC settings to improve signal integrity and reliability

USB 3.0

1) Updated OC behavior such that the hub will no longer automatically clear an OC condition. Different host drivers handle OC events different and may or may not require user intervention. The hub will now wait for the Host to clear the OC condition.

2) Code Consolidation

3) Fixed an issue where the hub might detect a device's termination too early, causing the downstream port to go into compliance mode.

4) Improved compatibility with various hosts when SSC is enabled

5) Fixed an issue where downstream devices would not drop to USB 2.0 mode if the hub dropped to USB 2.0 after resume from suspend

6) Fixed an issue where the USB 3.0 hub would disappear if the hub was quickly moved from a USB 2.0 port to a USB 3.0 port

USB 2.0

1) Fixed a compatibility issue with a USB-Low Speed Fingerprint Reader where it would not be recognized upon device insertion by relaxing timing.

2) Updated OC behavior such that the hub will no longer automatically clear an OC condition. Different host drivers handle OC events different and may

or may not require user intervention. The hub will now wait for the Host to clear the OC condition.

3) Code Consolidation

4) Fixed an issue where several cascaded hubs would enter global suspend when receiving a selective suspend command under Windows 8

5) Fixed an issue where USB electrical test would fail when CDP charging function was enabled.

6) Improved USB Charging functionality to resolve a potential issue where the charging mode would become enabled when it was not supposed to.

7) Fixed an issue under OSX where the USB 2.0 hub could potentially drop to Full-Speed mode after repeated upstream port PNP