The sixth spin of Intel DG1 discrete graphics card patches have now been sent out for review, amounting to just about 700 lines of new driver code due to building off the existing DG1 work and more broadly the Gen12/Xe support that's been refined in mainline for months. With these patches it would appear the Intel DG1 is then in good shape under Linux but due to the timing is unlikely to be mainlined until a stable kernel release in early 2021.

Intel's Gen12 / Xe Graphics as found in Tiger Lake appears to be in good shape with the latest mainline code (soon to be tested at Phoronix) but for the DG1 discrete graphics card there have been patches lingering.

Just in time for the end of the quarter Intel's open-source multimedia team has released the Media Driver 2020.3 package for the Intel graphics accelerated media encode/decode component on Linux platforms.

The Intel Media Decode Driver 2020.3 is notable in that it rounds out the Gen12/Xe support.
This support is not only for the Tiger Lake support now beginning to appear in shipping notebooks but also for DG1 and upcoming Rocket Lake and SG1 solutions as well.

- Intel Key Locker Support Added To LLVM - Confirms Presence With Tiger Lake[5]

Last week on the GNU toolchain side was initial work on supporting Intel Key Locker while this week Key Locker support has come to LLVM.

Intel Key Locker is a means of encrypting/decrypting data with an AES key without having access to the raw key. Key Locker relies on converting AES keys into handles that are then used in place of the actual key, until revoked by the system. The goal with this feature is for preventing any rogue attackers from obtaining the actual AES keys on the system.

Source URL: [http://www.tuxmachines.org/node/142713](http://www.tuxmachines.org/node/142713)

Links:
[1] [http://www.tuxmachines.org/taxonomy/term/63](http://www.tuxmachines.org/taxonomy/term/63)