CANONICAL

Ubuntu on Intel IoT

2022-11-30 Release Notes

Images: Ubuntu Core 22
Kernel: Intel IOT 5.15
Release Date: 2022-11-30
Version: 1.0

Purpose of Release

This release of the images is based upon Ubuntu Core 22. All release assets are provided by Canonical.

Images

- Ubuntu 22 Core: [Ubuntu for Intel IoT](#) webpage.
  - Image SHA256SUM:
    8354b08708b3a9f012e11363c528c8b308037c4b5a2d9b22307bffea1e0e95aa

Hardware Platforms Tested During CQA

- Aaeon EHL (UPN)
- Aaeon TGL (Up-Xtreme i11 UPX)
- Aaeon ADL-S

Bugs Fixed

Canonical CQA Verified:

- [LP#1978468](#) [iotg][aaeon-ehl][aaeon-tgl] 20.04LTS desktop does not boot
- [LP#1979944](#) [iotg][ehl][tgl][aaeon-ehl] stress-ng-test-for-class-os fails in Desktop & Server Stress test
- [LP#1981971](#) [IOTG][EHL][ICL-D] Gstreamer media failures on Ubuntu 20.04 Desktop Alpha Image
- [LP#1972136](#) [iotg][22.04LTS][server][CBRD] call trace message for dwmac_intel module.
- [LP#1962102](#) [iotg][adl-p] System freeze after running CPU or Memory stress test
- [LP#1964743](#) [TGL] EDAC support OOT patches
- [LP#1965753](#) [ADL-P] Failed to boot into OS after flash core image

Tested through other means:
For example, hardware might be tested by an external partner or using hardware that is not used in CQA testing.

- [LP#1937146](#) Intel EHL board does not see all three ethernet interfaces
- [LP#1987049](#) LAN devices are not visible after suspend, resume and appear only after driver is reloaded

Known Limitations

- [LP#1961130](#) [EHL][TGL][ADL] Enable libbpf on 20.04 (focal)
  - Implemented but currently untested.
- [LP#1981392](#) [iotg][adl-p][22.04]Detect Wireless test failed with No Devices Detected
  - With upgrade to 5.15 and corresponding ucode 66 the wireless no longer works for AX210 (subsystem id 8086:6020). A fix is in progress and will be rolled out when resolved. Core system will be updated automatically once the new kernel snap is released.

Open Bugs

Open bugs can be found [here](#).

Report Bugs

Report bugs [here](#).

Intel Board BIOS Settings

Some users have reported being unable to enter the BIOS settings (F2) or the Boot Manager (F7) when a USB drive is inserted. This can make it difficult to boot from a USB drive when installing the Canonical images. To get around this, boot the system without any USB drives inserted. Enter the BIOS settings, insert the drive, and then select Boot Manager. The USB drive will show up in the list so users can select to boot from it.