# Ubuntu on Intel IoT

# 2022-11-30 Release Notes

**Images:** Ubuntu Core 20
**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 20.04.

# Images

- Ubuntu Core 20: [Ubuntu for Intel IoT](#) webpage.
  - Image SHA256SUM:
    6fde23459bb9ef7a2d0fd2ccec55173a52c344ef597b07d2064000a011ac67a9

# Hardware Platforms Tested During CQA

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

# Bugs Fixed

Canonical CQA Verified:

- [LP#1978468](#) [iotg][aaeon-ehl][aaeon-tgl] 20.04LTS desktop does not boot
- [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#1979944](#) [iotg][ehl][tgl][aaeon-ehl] stress-ng-test-for-class-os fails in Desktop & Server Stress test
- [LP#1964743](#) [TGL] EDAC support OOT patches

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

# 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. In the interim the desktop and server systems can be updated through the apt command and it's in [Ubuntu Wiki](#). Core system will be updated automatically once the new kernel snap is released.
- [LP#1991752](#) The AX210 (subsystem id 8086:e024) WLAN failed after upgrade to 5.15 intel IoTG kernel
  - The fix is in linux-firmware 1.187.34 or newer. The desktop and server systems can be updated through the apt command and it's in [Ubuntu Wiki](#). 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.