

Canonical

Ubuntu 24.04 for Qualcomm Dragonwing™ Evaluation Kits (EVK)

2026-10 Release Notes

Ver. 1.0
Date: 2026-11-20

Purpose

This is the release of Ubuntu 24.04 for the Qualcomm Dragonwing™ RB3 Gen 2 Vision Development Kit, and the Qualcomm Dragonwing™ IQ-9075 and IQ-8275 Evaluation Kits (EVK) of the integration work from October 2026.

Image download and Installation instructions

Ubuntu Server

- Ubuntu Server 24.04 image
- Ubuntu Server 24.04 manifest
- Ubuntu Server 24.04 device-tree
- Ubuntu Server 24.04 rawprogram0.xml (UFS)
- Ubuntu Server 24.04 rawprogram0_emmc.xml (eMMC)
- Ubuntu Server 24.04 SHA256SUMS
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Ubuntu Desktop

- Ubuntu Desktop 24.04 image
- Ubuntu Desktop 24.04 manifest
- Ubuntu Desktop 24.04 device-tree
- Ubuntu Desktop 24.04 rawprogram0.xml (UFS)
- Ubuntu Desktop 24.04 rawprogram0_emmc.xml (eMMC)
- Ubuntu Desktop 24.04 SHA256SUMS

Qualcomm boot firmware

- RB3 Gen 2 Vision Development Kit
  - https://artifacts.codelinaro.org/artifactory/qli-ci/flashable-binaries/ubuntu-fw/QCM6490/QLI.1.8-Ver.1.1/QLI.1.8-Ver.1.1-ubuntu-QCS6490-nhlos-bins.tar.gz
- IQ-9075 Evaluation Kit (EVK):
  - https://artifacts.codelinaro.org/artifactory/qli-ci/flashable-binaries/ubuntu-fw/QCS9100/QLI.1.8-Ver.1.1/QLI.1.8-Ver.1.1-ubuntu-QCS9100-nhlos-bins.tar.gz
- IQ-8275 Evaluation Kit (EVK):
  - https://artifacts.codelinaro.org/artifactory/qli-ci/flashable-binaries/ubuntu-fw/QCS8300/QLI.1.8-Ver.1.1/QLI.1.8-Ver.1.1-ubuntu-QCS8300-nhlos-bins.tar.gz

Qualcomm platform CDT

- RB3 Gen 2 Vision Development Kit
  - https://artifacts.codelinaro.org/artifactory/codelinaro-le/Qualcomm_Linux/QCS6490/cdt/rb3gen2-vision-kit.zip
- IQ-9075 Evaluation Kit (EVK):
  - https://artifacts.codelinaro.org/artifactory/codelinaro-le/Qualcomm_Linux/QCS9100/cdt/qcs9075-iq-9075-evk.zip

- IQ-9075 Evaluation Kit (EVK) + GMSL Mezzanine:
  - https://artifacts.codelinaro.org/artifactory/codelinaro-le/Qualcomm_Linux/QCS9100/cdt/qcs9075-iq-9075-evk.zip
- IQ-9075 Evaluation Kit (EVK) + Interface Plus Mezzanine (IFP):
  - https://artifacts.codelinaro.org/artifactory/codelinaro-le/Qualcomm_Linux/QCS9100/cdt/qcs9075-iq-9075-evk-ifp.zip
- IQ-8275 Evaluation Kit (EVK):
  - https://artifacts.codelinaro.org/artifactory/codelinaro-le/Qualcomm_Linux/QCS8300/cdt/qcs8275-iq-8275-evk-pro-sku.zip
- IQ-8275 Evaluation Kit (EVK) + GMSL Mezzanine:
  - https://artifacts.codelinaro.org/artifactory/codelinaro-le/Qualcomm_Linux/QCS8300/cdt/qcs8275-iq-8275-evk-pro-sku.zip
- IQ-8275 Evaluation Kit (EVK) + Interface Plus Mezzanine (IFP):
  - https://artifacts.codelinaro.org/artifactory/codelinaro-le/Qualcomm_Linux/QCS8300/cdt/qcs8275-iq-8275-evk-pro-sku-ifp.zip

Ubuntu 24.04 for Qualcomm Dragonwing™ RB3 Gen 2 Vision Development Kit image installation instructions.

Ubuntu 24.04 for Qualcomm Dragonwing™ IQ-9075 Evaluation Kit (EVK) image installation instructions.

Ubuntu 24.04 for Qualcomm Dragonwing™ IQ-8275 Evaluation Kit (EVK) image installation instructions.

Tested on Hardware Platforms

This release has been tested on the Qualcomm Dragonwing™ RB3 Gen 2 Vision Development Kit (QCS6490), Qualcomm Dragonwing™ RB3 Gen 2 Lite Vision Development Kit (QCS5430), Qualcomm Dragonwing™ IQ-9075 Evaluation Kit (EVK), and Qualcomm Dragonwing™ IQ-8275 Evaluation Kit (EVK), platforms.

Switching between Ubuntu Desktop and Ubuntu Server

From Ubuntu Desktop to Ubuntu Server

Switching from Ubuntu Desktop to Ubuntu Server is as easy as installing a `qcom-adreno1` package from the Release PPA and rebooting the system. To uninstall most of the Ubuntu Desktop applications, you can remove `libglvnd0` and `libvulkan1`:

```
$ sudo apt install qcom-adreno1
$ sudo apt remove libglvnd0 libvulkan1
$ sudo reboot
```

From Ubuntu Server to Ubuntu Desktop

To switch from Ubuntu Server to Ubuntu Desktop, you need to install Desktop related applications by installing `ubuntu-desktop-minimal`, as well as `libegl1` and `libgles2` that will replace `qcom-adreno1`:

```
$ sudo apt install libegl1 libgles2 ubuntu-desktop-minimal
$ sudo reboot
```

List of New Features enabled in this release

- The following are the new features and notable changes introduced in this release:

Platform	Features Description
RB3 Gen 2 Vision Development Kit	• Minor fixes
IQ-9075 Evaluation Kit (EVK)	• Minor fixes
IQ-8275 Evaluation Kit (EVK)	• N/A

Real Time kernel

The documentation on how to use a reference realtime kernel with the release of Ubuntu 24.04 on the Qualcomm Dragonwing™ RB3 Gen 2 Vision Development Kit and IQ-9075 Evaluation Kit.
This document explains how to configure the system on the board for a realtime kernel along with some basic system customizations and explanation about performing the test.

List of Features

Qualcomm Dragonwing™ RB3 Gen 2 Vision Development Kit (QCS6490)
Qualcomm Dragonwing™ RB3 Gen 2 Lite Vision Development Kit (QCS5430)

Devices / Features	Features Description	Feature Implementation Status (*)
OS Version	Ubuntu Server 24.04	Supported
OS Version	Ubuntu Desktop 24.04	Supported
Kernel	Linux kernel 6.8	Supported
Updates		Supported
Bootloader	Bootloader will be provided by the HW the vendor, but not included in Ubuntu ISO. The Qualcomm boot process should be scalable for the derivative platform.	Supported
UEFI Secure Boot		Not supported
systemd		Supported
GPU		Supported
Memory: SDRAM	Samsung-KM2L9001CM-B518 System memory via non-PoP and EBI Dual-channel non-PoP high-speed memory - 6 GB LPDDR4X - uMCP4x	Supported
Storage: UFS	Samsung-KM2L9001CM-B518 128 GB UFS - uMCP4x	Supported
PCIe Switch	PCI Switch (QPS615)	Supported
DSI to HDMI bridge	Lontium LT9611UCX 4K at 60-Hz HDMI support with I2S audio	Supported
UVC/UAC Host mode		Supported
USB to LAN RJ45 Eth interface	ASIXAX88179 USB 3.0 Gb to 1 Gb Ethernet controller	Enabled (**)
USB connector	USB Type-C with display port (direct connect to processor)	Supported
USB hub	USB Type-A (host mode) USB3.1 Gen 2 through USB hub	Supported
QPS615 Ethernet ports		Enabled (**)
I2C		Supported

SPI		Supported
CAN bus controller	Microchip MCP2518FD External CAN controller with SPI	Supported
micro-SD card	micro-SD card	Supported
Debug UART	microUSB connector Connector with FTDI USB to UART converter	Supported
GPIO driver		Supported
Pinctrl		Supported
IPC Controller support		Supported
Multi Core-boot		Supported
SCM drivers		Supported
Power Management	Suspend and Resume	Supported
	Cold boot	Supported
	Warm boot	Supported
Dev utilities (SSH, SCP)		Supported
Device Tree (DT) merge		Out-of-Scope
Container Orchestration		Supported
Remote proc		Supported
ZRAM enablement		Supported
Audio	ALSA and Pipewire	Enabled
	Playback	Supported
	Recording	Supported
Audio amplifiers x2	Qualcomm WSA8815 Class-D SoundWire audio amplifier	Enabled
Digital microphone	TDKT5818 PDM digital MEMS microphone	Enabled
Sensors	TDK pressure sensor (ICP-10111) ICM42688	Enabled
	IMU (Accel & Gyro)	Enabled
	Magnato Meter	Enabled
Display	Overlays, GBM, Splash (applicable with the AMSS license)	Enabled
	DSPP	Enabled
	SSPP	Enabled
	HDR	Enabled

	GBM	Enabled
	Pixman Rendering	Enabled
	DisplayPort over Type-C	Enabled
	HDMI 4K	Supported
	eDP interface	Enabled
Graphics	3D rendering	Enabled
	EGL1.4, GLES 3.2	Enabled
	UBWC4.0	Enabled
	Vulkan 1.1	Enabled
	OpenGL ES3.1	Enabled
	Open CL Support for Wayland/Weston	Enabled
	IFPC	Enabled
Camera	Preview	Enabled
	Snapshot	Enabled
	3A	Enabled
	Auto-Exposure compensation (AEC)	Enabled
	Auto White Balance (AWB)	Enabled
	JPEG	Enabled
	Tintless	Enabled
	Single/Multi Camera Support	Enabled
	ML based Face Detection in Camera backend	Enabled
	High Frame Rate (HFR)	Enabled
	Lens Distortion Correction (LDC)	Enabled
	Lens Shading Correction (LSC)	Enabled
	Noise Reduction - Snapshot	Enabled
	Noise Reduction - Video	Enabled
Camera	IMX577 camera	Supported
Camera	OV9282 tracking camera	Supported
Video	V4L2	Supported
	Playback	Supported
	Recording	Supported
	Dynamic flip and rotation (180 degree)	Supported
	Video concurrency	Supported

DSP	Fastrpc enablement	Enabled
Computer Vision	OpenCV	Supported
	OpenCV with FastCV module	Not supported
	FastCV	Supported
SDKs	QIMP SDK (Intelligent Multimedia)	Enabled
Security	User data protection (FBE)	Supported
	Secure boot (including UEFI secboot)	Not validated
	PKCS#11 based secure key management	Enabled
	QTEE	Not validated
	Global Platform	Not validated
	Secure File System	Not validated
	SMCInvoke and Qseecomcompat	Not validated
	QCrypto + PRNG	Not validated
	Public Sec Tools	Not validated
	QcWES (device attestation, feature licensing)	Not validated
WLAN	Qualcomm WCN6750/WCN6856 2.4 GHz/5 GHz/6 GHz, 2 × 2 MU-MIMO, 802.11a/b/g/n/ac/ax - Wi-Fi scanning and connect - STA/SAP & P2P - 6GHz - 802.11ax(2.4,5,6 GHz) - power save and offloads	Supported
	WCN6750 Attach	Supported
	WLAN enablement and legacy features	Supported
	STA/SAP	Supported
	6 GHz and 11ax (2.4, 5, 6 GHz)	Supported
Bluetooth	Qualcomm WCN6750/WCN6856 Bluetooth 5.3 BT Standalone (Non-Audio Profiles), Inquiry, pairing SDP, RFComm, BLE, GATT	Supported
	Bluetooth Standalone	Supported
	Bluetooth Inquiry	Supported
	Bluetooth Pairing	Supported
	SDP	Supported
	BLE	Supported
	GATT	Supported

	FTM	Supported
	Bluetooth Audio (A2DP source, HFP AG, HFP Client)	Supported

Qualcomm Dragonwing™ IQ-9075 EVK (IQ9)

Devices / Features	Features Description	Feature Implementation Status (*)
OS Version	Ubuntu Server 24.04	Supported
OS Version	Ubuntu Desktop 24.04	Supported
Kernel	Linux kernel 6.8	Supported
Updates		Supported
Bootloader	Bootloader will be provided by the HW the vendor, but not included in Ubuntu ISO. Qualcomm boot process should be scalable for the derivative platform.	Supported
UEFI Secure Boot		Not supported
systemd		Supported
GPU		Supported
Memory: SDRAM	LPDDR5, 3 × 128 GB	Supported
Storage: UFS	2x128 GB UFS	Supported
PCIe	1x PCIex4 slot or expansion (switched) 1x m.2 E key (wifi) or expansion (switched)	Supported
Display	2x mini-DP (one with MST) DSI flex connection (display not included)	Supported
Camera	4x MIPI CSI (C/D PHY) flex connectors OV9282	Supported
Camera	GSML camera X3F10-Bayer	Supported
Camera	GSML camera X3F10-YUV	Supported
UVC/UAC Host mode		Supported
USB	USB Type-C (host or device mode)	Supported
	USB Type-C (host mode)	Supported
	uUSB 2.0 (host or device mode)	Supported

WLAN / BT	M.2 module (NFA765), directly to PCIE0 (M.2 connector on main board) WLAN ath11k, wpa_supplicant WLAN concurrency, WiFi-6, MU-MIMO, OFDMA WLAN coex. SSR, halphy, WPA3 OPP/HID/PAN/PBAP/MAP Client, FTM BT concurrency, BT SSR BLE profiles (GAP/GATT/HOGP), SPP/SDP	Supported
WLAN / BT (Mezzanine board)	M.2 module (NFA765) - downstream of QPS615 (M.2 connector)	Not supported
Ethernet	RJ45 2.5 GbE MD	Enabled
Ethernet (Mezzanine board)	RJ45 connector 2.5 GbE MD RJ45 connector 1 GbE SAIL RJ45 connector 2.5 GbE QPS/PCIE RJ45 connector 10 GbE QPS/PCIE	Not supported
I2C		Out-of-Scope
SPI		Out-of-Scope
CAN	1x CAN-FD on LS expansion	Out-of-Scope
CAN (Mezzanine board)	7x CAN-FD connector	Not supported
TPM	ST33HTPH2X32AHE4 on main board	Supported
microSD card (Mezzanine board)	microSD card	Not supported
microSD card (Core board)	microSD card	Supported
Debug UART	microUSB connector Connector with FTDI USB to UART converter	Supported
GPIO driver		Supported
Pinctrl		Supported
IPC Controller support		Supported
SCM drivers		Supported
Baseport CPU Hotplug		Supported
Power Management	Suspend and Resume	Supported
	Cold boot	Supported
	Warm boot	Supported
Dev utilities (SSH, SCP)		Supported
Container Orchestration		Supported
Remote proc		Supported
ZRAM enablement		Supported

Audio	ALSA and PipeWire	Supported
	Playback	Supported
	Recording	Supported
Audio amplifiers x2	2x I2S speaker amps	Enabled
Digital microphone	1x I2S mic	Enabled
Sensors	ICM-42688	Out-of-Scope
	IMU (Accel & Gyro)	Out-of-Scope
	Magnato Meter	Out-of-Scope
Display	Overlays, GBM, Splash (applicable with the AMSS license)	Supported
	DSPP	Supported
	SSPP	Supported
	HDR	Supported
	GBM	Supported
	Pixman Rendering	Supported
	DisplayPort over Type-C	Supported
	Native DP	Supported
	eDP interface	Supported
Graphics	3D rendering	Enabled
	EGL1.4, GLES 3.2	Enabled
	UBWC4.0	Enabled
	Vulkan 1.1	Enabled
	OpenGL ES3.1	Enabled
	Open CL Support for Wayland/Weston	Enabled
	IFPC	Enabled
Camera	Preview	Enabled
	Snapshot	Enabled
	3A	Enabled
	Auto-Exposure compensation (AEC)	Enabled
	Auto White Balance (AWB)	Enabled
	JPEG	Enabled
	Tintless	Enabled
	Single/Multi Camera Support	Enabled
	ML based Face Detection in Camera backend	Enabled

	High Frame Rate (HFR)	Enabled
	Lens Distortion Correction (LDC)	Enabled
	Lens Shading Correction (LSC)	Enabled
	Noise Reduction - Snapshot	Enabled
	Noise Reduction - Video	Enabled
Video	V4L2	Supported
	Playback	Supported
	Recording	Supported
	Dynamic flip and rotation (180 degree)	Not supported
	Video concurrency	Supported
DSP	Support fastrpc to manage DSP. This also enable any Qualcomm Hexagon workload	Enabled
Computer Vision	OpenCV	Supported
	OpenCV with FastCV module	Not supported
	FastCV	Supported
SDKs	QIMP SDK (Intelligent Multimedia)	Enabled
	QIRP SDK support	Supported
Security	User data protection (FBE)	Supported
	Secure boot (including UEFI secboot)	Not validated
	PKCS#11 based secure key management	Not validated
	QTEE	Not validated
	Global Platform	Not validated
	Secure File System	Not validated
	SMCInvoke and Qseecomcompat	Not validated
	QCrypto + PRNG	Not validated
	QWES	Not validated
	Public Sec Tools	Not validated

Qualcomm Dragonwing™ IQ-8275 EVK (IQ8)

Devices / Features	Features Description	Feature Implementation Status (*)
OS Version	Ubuntu Server 24.04	Supported
OS Version	Ubuntu Desktop 24.04	Supported
Kernel	Linux kernel 6.8	Supported

Updates		Supported
UEFI Secure Boot		Not supported
CPU	Octo-core (2.35 GHz) (2x Gold+, 2x Gold, 4x Silver) DMIPS: Up to 138K (inline optimized)	Supported
GPU	A623 MH 3.0 @ 73 fps / 1.3 TOPS FP32 Mesa and Adreno are available from PPA	Supported
Storage: UFS	1x128 GB UFS	Supported
PCIe	1x PCIex4 slot or expansion (switched) 1x m.2 E key (wifi) or expansion (switched)	Supported
Display	1x DP/eDP MST2 v1.4a 1x DSI v1.2	Supported
Display	2x mini-DP (through KTM switch) DSI flex connection (display not included)	Supported
Camera	4x MIPI CSI (C/D PHY) flex connectors (3x CSI Ports [D-PHY 3x 10 Gb/s; C-PHY 3x 30 Gb/s] 24b HDR ISP pipe with throughput: 2.4GPix/s pipe, supports 12MP max sensor) OV9282	Supported
UVC/UAC Host mode		Supported
USB	USB Type C (host or device mode) - primary USB	Supported
	USB Type C (host mode) - not concurrent with primary (need to change with a DIP switch)	Supported
	uUSB 2.0 (host or device mode)	Supported
WLAN / BT	m.2 module (NFA765A - HSP) - directly to PCIE0 2x printed antennas	Supported
Ethernet	RJ45 2.5 GbE MD	Enabled
Ethernet (Mezzanine board)	RJ45 connector 2.5 GbE MD RJ45 connector 1 GbE SAIL RJ45 connector 2.5 GbE QPS/PCIE RJ45 connector 10 GbE QPS/PCIE	Not supported
I2C		Out-of-Scope
SPI		Out-of-Scope
CAN	1x CAN-FD on LS expansion	Out-of-Scope
TPM	ST33HTPH2X32AHE4 on main board	Supported
microSD card (Mezzanine board)	microSD card	Not supported
microSD card (Core board)	microSD card	Supported
GPIO driver		Supported
Pinctrl		Supported
IPC Controller support		Supported
SCM drivers		Supported

Power Management	Suspend and Resume	Supported
	Cold boot	Supported
	Warm boot	Supported
Dev utilities (SSH, SCP)		Supported
Container Orchestration		Supported
Remote proc		Supported
ZRAM enablement		Supported
Audio	ALSA and Pipewire	Supported
	Playback	Supported
	Recording	Supported
	Audio amplifiers 2x I2S speaker amps	Enabled
	Digital microphone 1x I2S mic	Enabled
Sensors (via SAIL)	ICM-42688	Out-of-Scope
	IMU (Accel & Gyro)	Out-of-Scope
	Magnato Meter	Out-of-Scope
Display	Overlays, GBM, Splash (applicable with the AMSS license)	Supported
	DSPP	Supported
	SSPP	Supported
	HDR	Supported
	GBM	Supported
	Pixman Rendering	Supported
	DisplayPort over Type-C	Supported
	Native DP	Supported
	eDP interface	Supported
	3D rendering	Enabled
	EGL1.4, GLES 3.2	Enabled
	UBWC4.0	Enabled
	Vulkan 1.1	Enabled
	OpenGL ES3.1	Enabled
	Open CL Support for Wayland/Weston	Enabled
	IFPC	Enabled
Camera	Preview	Enabled
	Snapshot	Enabled
	3A	Enabled
	Auto-Exposure compensation (AEC)	Enabled
	Auto White Balance (AWB)	Enabled

	JPEG	Enabled
	Tintless	Enabled
	Single/Multi Camera Support	Enabled
	ML based Face Detection in Camera backend	Enabled
	High Frame Rate (HFR)	Enabled
	Lens Distortion Correction (LDC)	Enabled
	Lens Shading Correction (LSC)	Enabled
	Noise Reduction - Snapshot	Enabled
	Noise Reduction - Video	Enabled
Video	Decode: 4K135 Encode: 2x 4K85	Supported
DSP	Support fastrpc to manage DSP. This also enable any Qualcomm Hexagon workload	Enabled
Computer Vision	OpenCV	Supported
	OpenCV with FastCV module	Not supported
	FastCV	Supported
SDKs	QIMP SDK (Intelligent Multimedia)	Enabled
	QIRP SDK support	Supported
Security	User data protection (FBE)	Supported
	Secure boot (including UEFI secboot)	Not validated
	PKCS#11 based secure key management	Not validated
	QTEE	Not validated
	Global Platform	Not validated
	Secure File System	Not validated
	SMCInvoke and Qseecomcompat	Not validated
	QCrypto + PRNG	Not validated
	QWES	Not validated
	Public Sec Tools	Not validated

(*) Feature Implementation Status

- Supported: The feature is implemented and supported in Ubuntu as long term solution
- Enabled: The feature is available, but may have some limitations, such as
    - implemented using downstream solution
    - available from PPA
    - may not be maintained in Ubuntu as long term solution
- Not Supported: The feature has not been implemented yet, but planned to be implemented in the future releases
- Not Validated: The feature is integrated but Canonical is unable to validate it

- Out-of-Scope: The feature is not applicable to the HW or Ubuntu

(**) Enabling this feature requires downloading firmware from a third-party vendor. Qualcomm will provide instructions in the Quick Start Guide for downloading and flashing the firmware.

Known issues

- [RB3 Gen2] 1Gb RJ-45 Ethernet, which is USB-A based, requires additional firmware from Renesas (Renesas uPD720201) to function. This firmware is not included in the Ubuntu image. Users should refer to the Qualcomm Quick Start Guide for instructions on how to download and flash the Renesas firmware. No recompilation is needed. After downloading the firmware, execute the following commands to manually enable Ethernet.
    - $ sudo cp renesas_usb_fw.mem /lib/firmware/
    - $ sudo mkinitramfs -o /boot/initrd.img-$(uname -r)
    - $ sudo reboot
- [RB3 Gen2] Some RB3 Gen2 systems may have a 10GbE Ethernet port via PCIe (IX Industrial connector). Typically, this port is not populated on the PCB and requires a 'special order.' To get the 10GbE Ethernet port working, you need to install the Marvell AQR-G4_v5.6.1-QR firmware (which is not shipped to Qualcomm customers) and recompile the software. This is not a recommended option.
- The manual reboot is required after the qcom-sensors-services package is installed.
- The support IB2C on Freedreno (enabling AI use cases).The support is currently partial, as NV12 frames can be used as source, but not NV12_Q08C frames. Pipelines with the following plugins are affected:
    - qtivoverlay
    - qtioverlay
    - qtivcomposer
    - qtimlvconverter
    - qtivsplit
    - qtivtransform
- [IQ-9075] Some devices do not have their MAC address in the correct format in their EEPROM. The users need to run a script to fix it. Copy this into file `mac . sh` on the device:

```
#!/bin/bash

EEPROM_PATH="/sys/bus/i2c/devices/18-0050/eeprom"
RAW_HEX=$(hexdump -v -n 6 -e '6/1 "%02X "' "$EEPROM_PATH")
IFS=' ' read -r -a HEX_ARRAY <<< "$RAW_HEX"
if [[ "${HEX_ARRAY[2]}" == "3A" && "${HEX_ARRAY[5]}" == "3A" ]]; then
        mac=$(head -c 17 "$EEPROM_PATH")
        # Replace colons with \x and prepend \x to the first byte
```

```
        converted_mac=$(echo "$mac" | sed 's/:/\\x/g' | sed 's/^/\\x/')
        echo -ne "$converted_mac" > "$EEPROM_PATH"
else
    echo "already in required format"
fi
```

The run it as follow:

```
$ chmod +x mac.sh
$ sudo ./mac.sh
$ sudo reboot
```

- [IQ-9075] The ethernet no longer works on EVT. This variant of the board is no longer supported so this will not be fixed.
- [IQ-9075] Trying to init an initialized kobject when cameras are being probed again

Report Bugs

- To report a bug, identify the related package in https://launchpad.net/ubuntu, create a bug, then subscribe the ubuntu-qcom-iot team to it.
- For the issues related to Qualcomm's packages, file the bugs in the https://launchpad.net/ubuntu-qcom-iot Launchpad project, managed by ubuntu-qcom-iot team.