Introduction

- Established in 2015 (2018), NL
- Customisable
- Custom laser engraving
- Dasharo coreboot firmware
- Windows and GNU/Linux (or both)
- Privacy and security focused
- Right to repair and sustainability
- https://novacustom.com

Contents

- Roadmap overview

- Demonstration of the new laptop series!
- Overview of ports

- Switching to GOODRAM internal memory modules and SSDs
- Repair guides
- E-Waste trade-in Programme
- Hardware kill switches
- Flashing EC from coreboot

Roadmap

Q2-2024:

- E-Waste trade-in Programme ✓
- Switching to GOODRAM ✓
- Enhanced repair guides
- New Dasharo releases for the new V54 and V56 Series

Q3-2024:

- Intel Boot Guard
- Heads firmware variant update
- fwupd/LVFS support
- Hardware kill switches
- Custom keys for Intel Boot Guard
- UEFI Capsule Updates
- Monitoring AMD hardware (????)

New model: V54 Series

- V54 Series with Dasharo coreboot
- 14.0 inch 2.7K screen display
- Intel Meteor Lake 5-125H/7-155H CPU
- Graphics options:
  - Intel Arc Graphics (iGPU) only
  - Nvidia RTX-4060 GPU
  - Nvidia RTX-4070 GPU
- 1x M.2 PCIe4 SSD storage (2x for Intel-only)
- TPM 2.0
- 1.6 kg
- First deliveries: Early July
  - *Nvidia models might be later*
- Application for Qubes OS certification
  - *Not earlier than August*

New model: V54 Series

New model: V56 Series

- V56 Series with Dasharo coreboot
- 16.0 inch Full HD or Q-HD+ screen display
- Intel Meteor Lake 5-125H/7-155H CPU
- Graphics options:
  - Intel Arc Graphics (iGPU) only
  - Nvidia RTX-4060 GPU
  - Nvidia RTX-4070 GPU
- 2x M.2 PCIe4 SSD storage
- TPM 2.0
- 1.8 kg
- First deliveries: Early July
  - *Nvidia models might be later*
- Application for Qubes OS certification
  - *Not earlier than August*

New model: V56 Series

New models

- Let's check them out!

Collaboration with GOODRAM

- NovaCustom branded
- Production in Europe
- Internal memory modules
- SSDs
- USB pen drives
- Extensive tests:
  - Temperature tests
  - Stress tests
  - Performance tests
  - Compatibility tests

E-Waste trade-in Programme

- Chinese wall
- 17.4%
- EU customers
- Re-use of components
- IT Recycling
- Resell or disassembling and recycling
- Metals, plastics circuit boards
- Reducing E-Waste
- Compensation of 25/50 EUR or even more

Planned: hardware kill switches

- Privacy feature
- Cutting off power and signals
- No need to rely on software/firmware
- Separate for WiFi+BT / cam
- Requires case modification
- + 90 EUR
- NV41 Series

Flashing EC from coreboot

- Dasharo Tools Suite (DTS)
- Embedded Controller (EC)
- Main SPI / BIOS
- Fwupd support for in-OS firmware upgrades
- Flashed by coreboot

DISCUSS – and we'll improve

To report: https://github.com/Dasharo/dasharo-issues/issues
To discuss: https://novacustom.com/forum
To chat: https://matrix.to/#/#dasharo:matrix.org
To ask questions for now: go ahead!