

Dasharo User Group #5 (Q4-2023)



NovaCustom

Roadmap, strategy, pre-sales of new models and Heads firmware discussion.

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
- Strategy
- New models (pre-sales)
- Intel Boot Guard
- UEFI Capsule Updates
- Heads firmware variant



Roadmap

Q2-2024:

- Priority: new models
 - Intel Boot Guard
- Dasharo coreboot firmware for all models we offer :-)

Q3-2024:

- Support for new Nvidia models
 - Bug resolves
 - UEFI Capsule Updates
 - Custom keys for Intel Boot Guard(?)

Strategy: a new laptop series every ...

- ~~Every 8 – 12 months~~
- Every 16 – 24 months
- New models require new firmware
- ~~Focussing on the very latest CPU generation~~
- Focussing on more firmware features!
- Models that come with optional Nvidia graphics
 - More customisation options
- Spare parts management



New model: V54 Series

- V54 Series
- 14.0 inch 2.7K screen display
- Intel Meteor Lake 5-125H/7-165H 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
- 1.6 kg
- Presales end of March: 10% discount!
- First deliveries: June / July
 - *Nvidia models might be later*
- Application for Qubes OS certification



New model: V54 Series



New model: V56 Series

- V56 Series
- 16.0 inch Full HD or Q-HD+ screen display
- Intel Meteor Lake 5-125H/7-165H 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
- Presales end of March: 10% discount!
- First deliveries: June / July
 - *Nvidia models might be later*
- Application for Qubes OS certification



New model: V56 Series



Intel Boot Guard

- Security feature
- E-fuse
- Signed firmware
- Or doesn't boot at all
- Protection against rootkits
- Optional
- Custom keys(?)



UEFI Capsule Updates

- Dasharo Tools Suite (DTS)
- Fwupd/LVFS support for in-OS firmware upgrades
- Embedded Controller (EC)
- ~ Q3-2024





ENGAGE! UNITE IN RESOLUTION!

To report: <https://github.com/Dasharo/dasharo-issues/issues>

To discuss: <https://novacustom.com/forum>

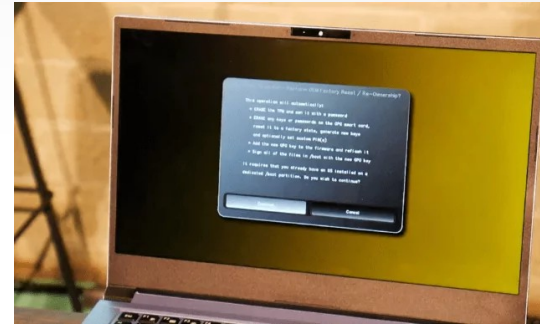
To chat: <https://matrix.to/#/#dasharo-osf-vpub:matrix.org>



coreboot+Heads for the NV41 Series is live!

- Q4-2023 → 29th of February, 2024
- NV41 Series only
- Dasharo Entry Subscription
- 72 EUR/year
- Protects the boot process
- Ensuring system's firmware and boot integrity
- Measured boot: cryptographic hashes for each component
- TPM hardware to securely store and attest
- USB security device (HOTP) + Authenticator (TOTP, optional)
- Chain of trust
- Perfect in combination with Qubes OS

- Feedback on the way of delivery?



+

Heads

