

# Dasharo User Group #7 (Q3-2024)



NovaCustom

Update about the new V Series,  
NVIDIA variants, Qubes OS support  
and other features

# 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
- Qubes OS certification
- Intel Boot Guard
- Dasharo ACPI driver
- UEFI Capsule Updates
- Heads firmware variant



# Roadmap

## Q3-2024:

- Right to Repair community
- Initial release of NVIDIA variants
  - Qubes OS certification!
- Dasharo coreboot firmware for all models we offer :-)



## Q4-2024:

- Repair guides and video tutorials
- Developing comprehensive firmware updates (Q1-2025):
  - UEFI Capsule Updates (?)
    - fwupd support
  - Intel Boot Guard support
    - Dasharo ACPI driver
    - Bug fixes

# New model: V56 Series

- V56 Series
- 16.0 inch Full HD+ or Q-HD+ screen display
- Intel Meteor Lake 5-125H/7-165H CPU
- Optional NVIDIA graphics
- Qubes OS certified (F-HD+ & iGPU)
- Not yet for the Q-HD+ variants
- Not yet for the V54 Series
- Heads firmware variant planned



# V56 Series



# V54 Series (14 inch version)



# Intel Boot Guard

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





# Dasharo ACPI driver

- Communication between OS and firmware
- Fan speed
- Temperature
- Setting profiles
- Power management
- Battery thresholds
- Backlight control feedback



# UEFI Capsule Updates

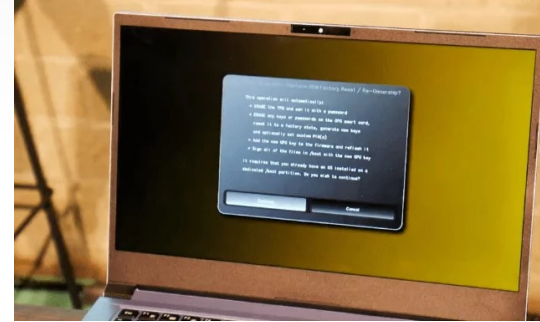


- Dasharo Tools Suite (DTS)
- Fwupd/LVFS support for in-OS firmware upgrades
- Embedded Controller (EC)
- ~~~ Q3-2024~~
- ~ Q1-2025



# coreboot+Heads

- Currently for the NV41 Series
- Later for V54 and V56 Series, no ETA yet
- Dasharo Entry Subscription
- 80 EUR/year – *Likely to increase*
- Boot integrity verification
- Measured boot: cryptographic hashes for each component
- TPM hardware to securely store and attest
- USB security device (HOTP) + Authenticator (TOTP, optional)
- Perfect in combination with Qubes OS



+

Heads





**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>

