



October 2023 update, right to repair and anti-tamper solutions.

Introduction

- Established in 2015 (2018), NL
- Customisable
- Custom laser engraving
- Windows and GNU/Linux (or both)
- Privacy and security focused
- Right to repair and sustainability
- <https://configurelaptop.eu>



Contents

- Right to repair and durability
- Physical privacy options
- Physical anti-tamper solution
- October 2023 Firmware Update
- Heads firmware
 - Explanation and benefits
 - Current state
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- Near future plans
- Q&A



Right to repair and durability

- 3 years of warranty
- 5 years of firmware updates
- 7 years of guaranteed spare parts availability
- New: pictures of the inside of the laptop
- New: repair videos



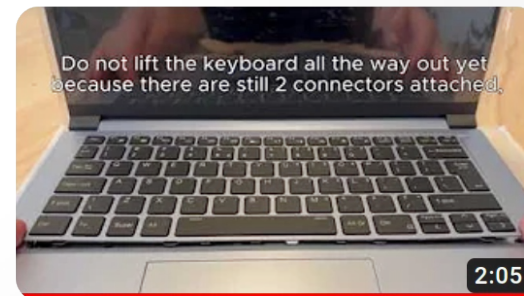
NV41 Series: How to replace the thermal paste.

94 views • 5 days ago



NV41 Series: How to replace the battery

92 views • 8 days ago



NV41 Series: How to replace the keyboard

53 views • 11 days ago

New privacy options



Privacy and security options



Camera and microphone
module permanently
removed

39 EUR 



Camera slider (pre-installed)

19 EUR 



Privacy screen (pre-installed)

79 EUR 



Tamper-evident screws and
packaging

75 EUR 

Tamper-evident screws and packaging















- Glitter substance on the screws
 - Leaving a certain glitter pattern
- Anti-tamper tape
 - Leaves an OPENED print
 - Laptop protection plastic bag
 - All shipping boxes
- PGP signed pictures of all screws via Proton Mail (optional)



Tamper-evident screws and packaging



NovaCustom-Dasharo October 2023 Update

- October 2023 Firmware Update (ADL v1.7.0 & TGL v1.5.0)
 - UEFI Setup Password 
 - SMM BIOS Write Protection 
 - Early Boot DMA Protection 
 - Network and USB Stack Control 
 - WiFi + Bluetooth Module Switch 
 - Intel ME disabling (HECI and HAP) for Tiger Lake Series (11th Gen.) 
 - Camera Switch in UEFI Firmware 
 - Earlier CPU throttling (starting at 75°C instead of 90°C) 
 - Battery Charge Thresholds and Micro-charging Prevention 
 - Hibernation Support (S4) 
 - Suspend-to-RAM Support (S3) for Tiger Lake Series 
 - Boot Block When Battery Charge Is Too Low 
 - Improved Docking Station Compatibility 
 - Easy Firmware Update Mode 
 - Openness Score 



coreboot+Heads: explanation and benefits

- Protect the boot process
- Ensuring system's firmware and boot integrity
- Measured boot: cryptographic hashes for each component
- TPM hardware to securely store and attest
- Chain of trust
- Perfect in combination with Qubes OS



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Heads



coreboot+Heads: current state

- Alpha testing phase
- Demonstration on the 7th of October (Qubes OS Summit)
- NV41 Series only
 - S3 suspend mode
 - Intel ME HAP disabling
 - Qubes OS certification



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Heads



coreboot+Heads: costs

- 60 EUR/year (+ VAT)
- Choose 1, 2 or 3 year(s) when purchasing
- Current device owners can upgrade
- Not automatically continued
- Non-renewal means no further updates and support
- Buy additional support



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Heads





BE ACTIVE! LET'S SOLVE TOGETHER!

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



Near future plans

Q4-2023:

- October update public release
- Dasharo Entry Subscription (Heads firmware)

2024:

- Q2: 14th Gen Meteor Lake
 - DDR5 and PCIe 5
- Dasharo for all models we offer
 - Intel Boot Guard (???)
 - Capsule updates (???)



What firmware feature do you want?

Time for questions and further discussions.