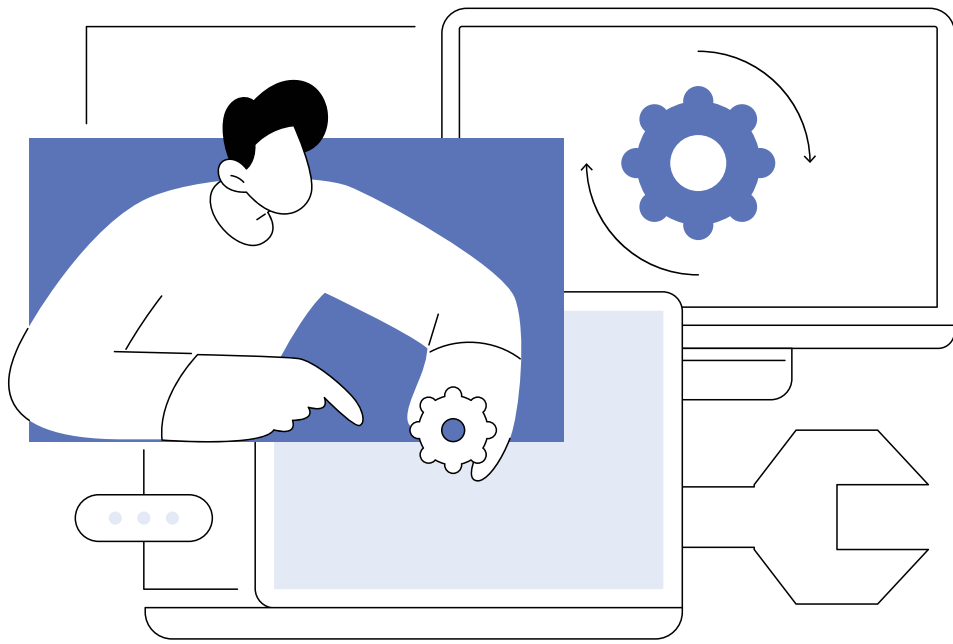


Complete laptop and desktop component replacements with ease

In our repairability testing with four Dell systems and four Apple systems, it took less time and effort to replace several key components in the Dell devices

We looked at removing and replacing key components on eight devices, four from Dell and four from Apple:



Laptops

- Dell Latitude™ 7340
- Apple MacBook Air® 13.6"

Mobile workstations

- Dell Precision™ 5680
- Apple MacBook Pro® 16"

Desktops

- Dell OptiPlex™ Micro 7010
- Apple Mac® mini

All-in-one (AIO) desktops

- Dell OptiPlex AIO 7410
- Apple iMac®

Removing and replacing storage

(laptops, mobile workstations, desktops, AIO desktops)

Dell:

Swap storage in **less than 4:30** and **fewer than 20 steps**.

Apple:

Storage was soldered to the board, so we could not replace it.



Removing and replacing memory (RAM)

(desktops, AIO desktops)

Dell:

Swap RAM in **1:09 or less** and **14 or fewer steps**.

Apple:

RAM was soldered to the board, so we could not replace it.

Removing and replacing wireless card

(desktops, AIO desktops)

Dell:

Swap wireless card in **3:28 or less** and **16 or fewer steps**.

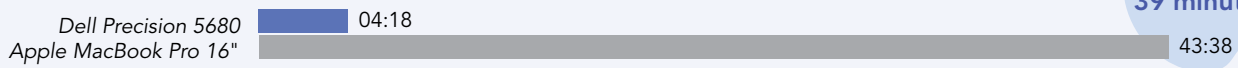
Apple:

Wireless card was soldered to the board, so we could not replace it.



Removing and replacing heatsink (mobile workstations)

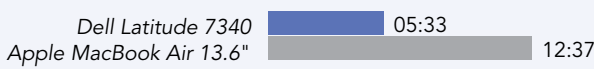
Time (mm:ss)



Save 39 minutes

Removing and replacing speakers (laptops)

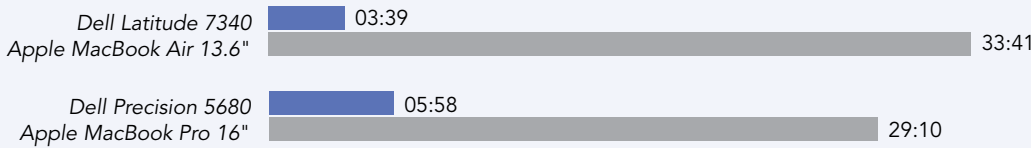
Time (mm:ss)



Save 7 minutes

Removing and replacing battery (laptops, mobile workstations)

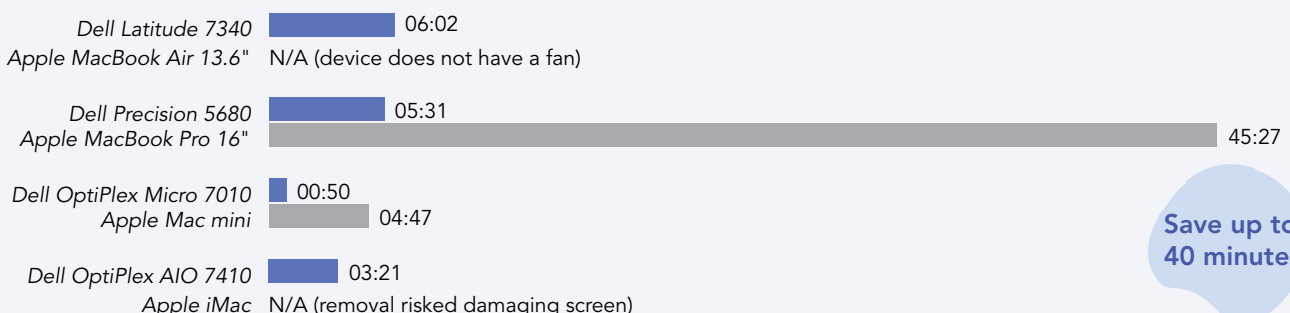
Time (mm:ss)



Save up to 30 minutes

Removing and replacing fan (laptops, mobile workstations, desktops, AIO desktops)

Time (mm:ss)



Save up to 40 minutes

Learn more at <https://facts.pt/5rBySJ6>