

INTEL 1851 Delid-Die-Mate V1

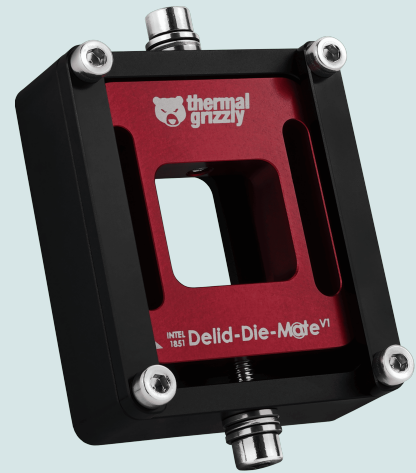
High Performance Cooling Solutions

The Intel 1851 Delid-Die-Mate V1 is a tool designed for removing the heatspreader ("delidding"). By removing the heatspreader on Intel processors based on the Arrow Lake architecture (including Intel Core Ultra 200), the CPUs can be cooled with direct-die water coolers, such as Thermal Grizzly's Mycro series. In direct-die cooling, the CPU cooler is mounted directly onto the silicon chip, which allows for significantly optimized heat transfer.

Delidding processors based on the Intel Arrow Lake architecture (Core Ultra, Pentium) carries a higher risk compared to older CPUs. This is likely due to structural factors such as the size of the CPU die and the fact that the CPU die consists of multiple smaller dies, called "tiles."

To minimize the risk during delidding, the CPU should be heated to approximately 165°C / 330°F to soften the indium solder. This can be done using household tools (e.g., an oven, heat gun). Alternatively, Thermal Grizzly offers the Intel 1851 Delid-Die-Mate Heater V1, a tool specifically designed for heating the CPU.

By delidding the processor and replacing the Intel stock IHS with the Intel 1851 Mycro Direct-Die PRO RGB V1, temperatures can be reduced by up to 16°C compared to a test system with the stock IHS on the CPU and a standard water cooler.



Short informations

- Delidding tool
- Made from aluminum
- CPU compatibility list available online
- Please observe warning notices

Scope of delivery

- 1x Intel 1851 Delid-Die-Mate V1
- 2x Angle wrench
- 1x CPU Cleaning Tool

Warning Notices

Caution: Removing the heatspreader ("delidding") of a processor is done at your own risk! Delidding the CPU voids the manufacturer's warranty! Damage incurred during the delidding process is not covered by the manufacturer!

Caution: When delidding a CPU with the Intel 1851 Delid-Die-Mate V1, it is essential to watch the video available on the linked website:

<https://www.thermal-grizzly.com/en/blog/important-information-regarding-the-delidding-of-intel-arrow-lake-cpus>

Please note

The data in this technical data sheet are based on our current knowledge and experience. Due to the large amount of possible factors, this should not be construed as to release the users from doing their own tests and screening. No legally binding assurance of specific properties or applicability for a concrete purpose should be derived from these data. Please consider contacting us for further detail. It is the responsibility of the recipient of our products to ensure that any proprietary rights and existing laws and legislation are observed.

Technical data

Unit:	Value/description:
Material:	Aluminium, anodised
Colour:	Black, red
Typical application:	Tool for CPU delidding
Length:	83 mm
Width:	56 mm
Height:	26 mm
Package size:	11x9x4 cm
*Gross weight:	209 g
*Net weight:	145 g
Item number:	TG-DDM-i1851-V1
EAN-Code:	4260711991097
PU:	10 Pcs.

*Net weight is the total weight of an article excluding the weight of packaging and accessories. The gross weight refers to the total weight of the product including accessories and packaging. Slight weight deviations are possible due to production factors.

Trademark Information

Thermal Grizzly is a registered trademark.