

PRODUCT DATA SHEET
Intel 12th Gen CPU Contact Frame
Description:

The Intel 12th Gen CPU Contact Frame is an assembly aid that replaces the original Integrated Loading Mechanism (ILM) of the motherboard to optimize the mounting pressure to achieve a better performance of CPU coolers.

Properties:

Due to the changed dimensions of the Intel Alder Lake processors (Intel Core 12th Gen.) for the Intel Socket LGA1700 compared to the Socket 1200 processors (and older generations, e.g. Socket LGA115X) and the associated changes to the dimensions of the sockets, new mounting brackets for CPU coolers have become necessary.

Additionally, the standard ILM only has contact points in the center of the elongated CPU. Due to the resulting uneven pressure of the processor in the socket, the surface of the integrated heatspreader (IHS) can curve concavely, which means that the base plate

of the CPU cooler primarily rests on the edges of the IHS and thus the thermal „hotspot“ in the middle of the CPU is not covered.

The Intel 12th Gen CPU Contact Frame replaces the mainboard's ILM. A special inner contour, which shifts the contact pressure from the center to the edges during assembly, avoids a concave curvature of the CPU. This increases the potential contact area with the CPU cooler and especially the „hotspot“ can be better covered.

Storage:

Store in original packaging in a dry environment at room temperature.



Property	Value/Description
Length	71 mm
Width	51 mm
Height	6 mm
Material	Aluminum (EN-AW 7075), anodized

Property	Value/Description
Color	black
Article number	TG-CF-i12G
Typical application	Optional mounting frame for Intel Socket LGA1700

Trademark Information:

Thermal Grizzly is a registered trademark.

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.

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