

## Review Intel DH61DL

### Preamble

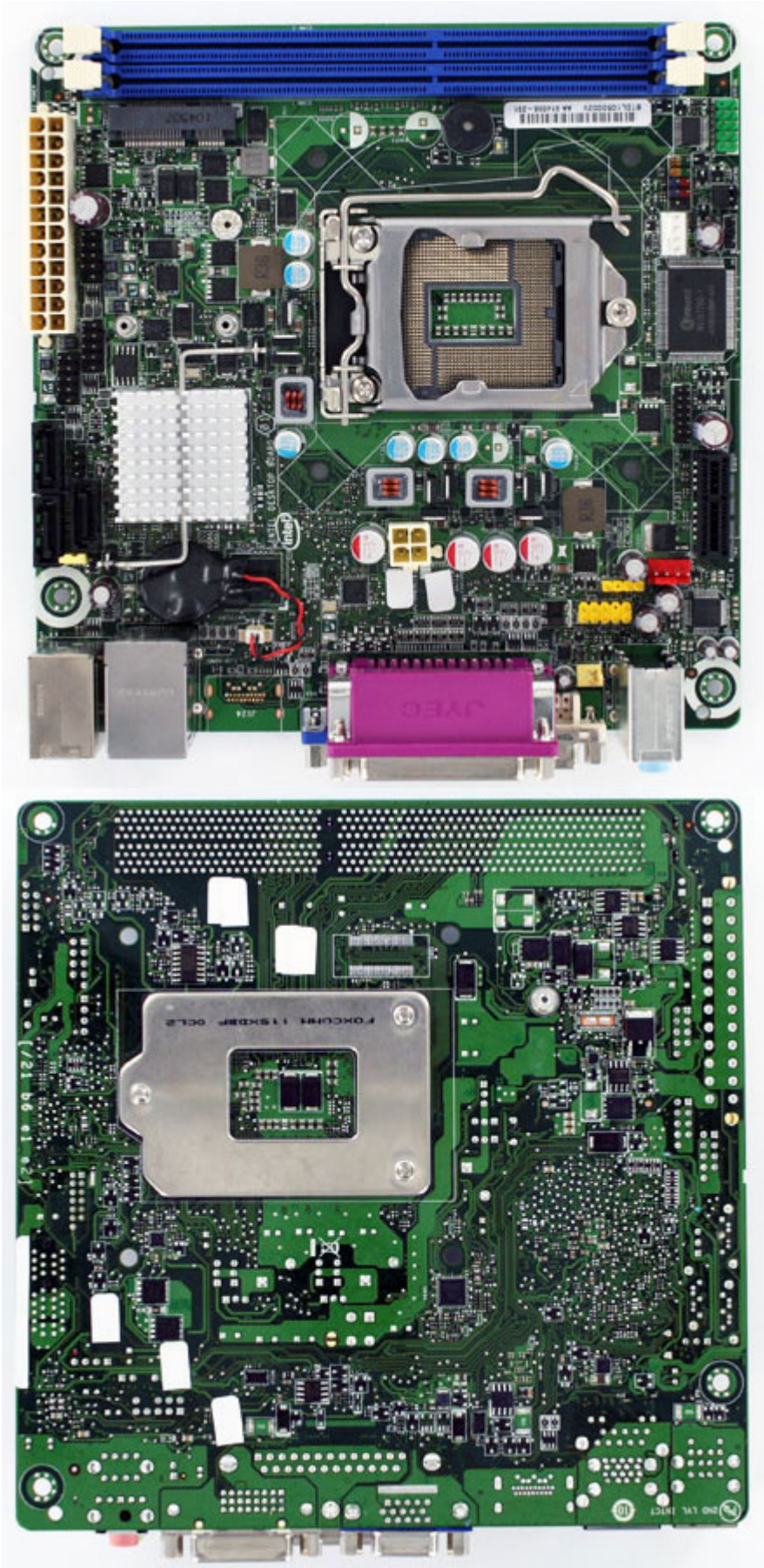
### **WeightWatchers for Intel Mainboards – lose weight, now.**

How does a diet for an Mainboard looks like? Very simple: Take a DQ67EP, remove the AMT, some I/O's and reduce the memory capacity.

To make the Core I Mainboards more flexible and variable, and to offer customers with smaller requirements an alternative, Intel made the new DH61DL Mainboard.

We will see in the following tests, if you will also get less performance.





## Spezifikation

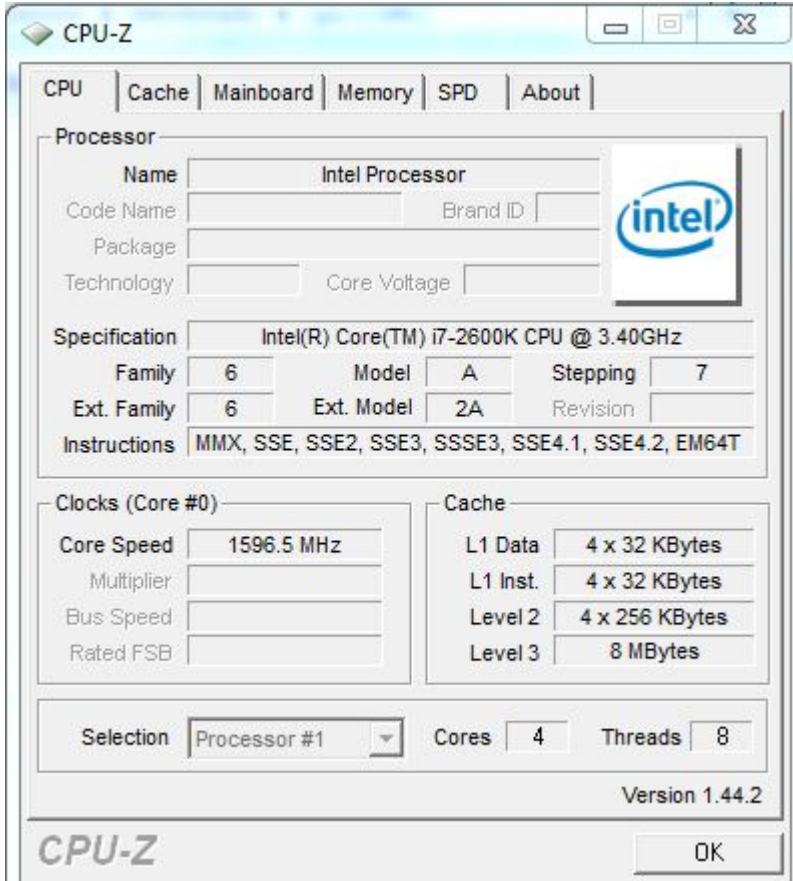
Modell	DH61DL
Typ	MiniITX
CPU (Socket LGA1156)	Core I7 Core I5 Core I3
Chipset	H61 Express
Graphic	Intel HD Graphics
Audio	Intel High-Definition Audio, 6-Kanal-Audio-Subsystem
Memory	2 x DDR3 DIMM, 1066/1333 Mhz, bis zu 8GB
Power Supply	24 Pin ATX + 4 Pin
Ext. Connectors	1x DVI 1x VGA 2x USB 3.0 2x USB 2.0 1 x LPT 1x Audio
Int. Connectors	6x USB 2.0 3x SATA 1x PCIe 1x MiniPCIe
Dimensions	17cm x 17cm

## Installation, used Hardware and operating

We used following hardware, to test the Mainbaord:

- DH61DL
- Intel Core I7 – 2600K
- 2 x 2GB DDR3 DIMM 1333Mhz
- Intel SSD 250 GB SATA
- Panasonic UJ-85J-B
- Pico 160
- 120 Watt AC Adapter

## Core i7 – 2600K



The screenshot shows the CPU-Z application window with the following data:

Processor					
Name	Intel Processor				
Code Name	Brand ID				
Package					
Technology	Core Voltage				
Specification: Intel(R) Core(TM) i7-2600K CPU @ 3.40GHz					
Family	6	Model	A	Stepping	7
Ext. Family	6	Ext. Model	2A	Revision	
Instructions	MMX, SSE, SSE2, SSE3, SSSE3, SSE4.1, SSE4.2, EM64T				

Clocks (Core #0)		Cache	
Core Speed	1596.5 MHz	L1 Data	4 x 32 KBytes
Multiplier		L1 Inst.	4 x 32 KBytes
Bus Speed		Level 2	4 x 256 KBytes
Rated FSB		Level 3	8 MBytes

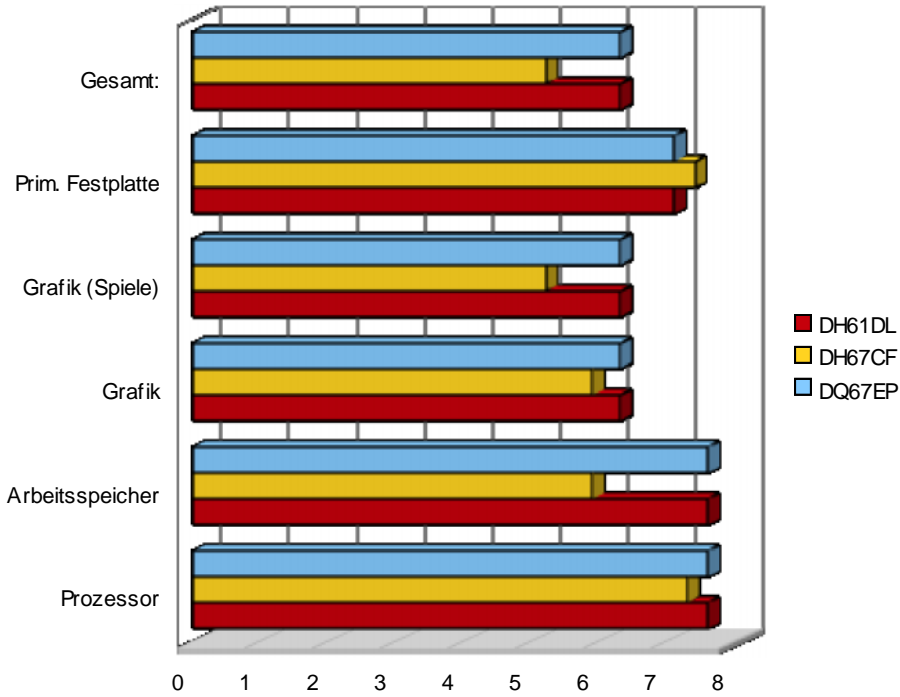
Selection: Processor #1 | Cores: 4 | Threads: 8

Version 1.44.2

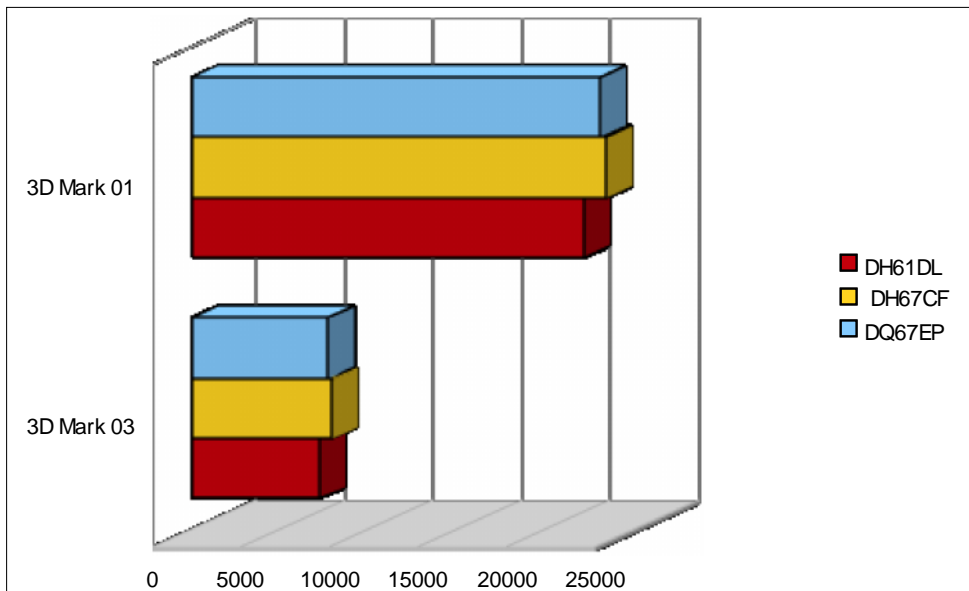
**CPU-Z** [OK]

## Benchmarks

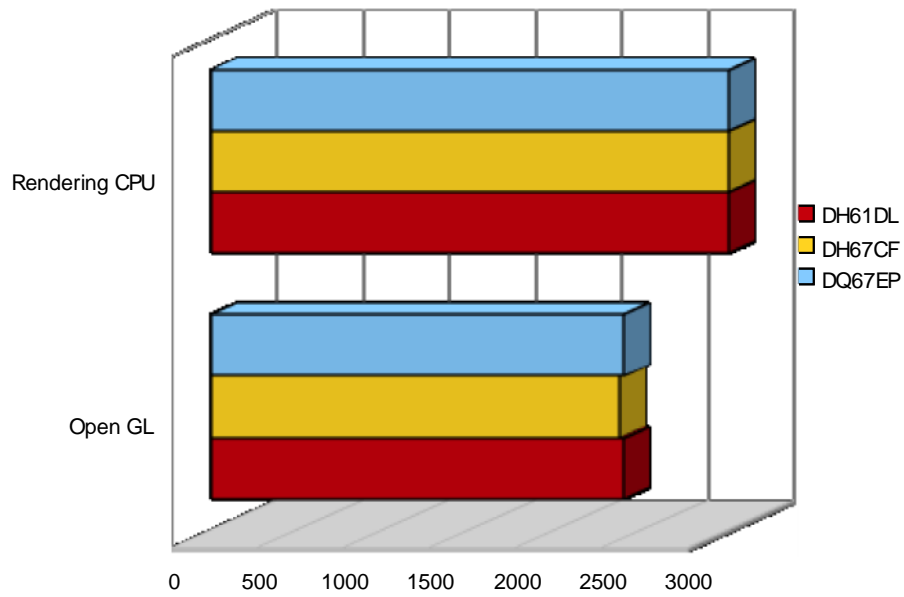
### Windows 7 Experience Index



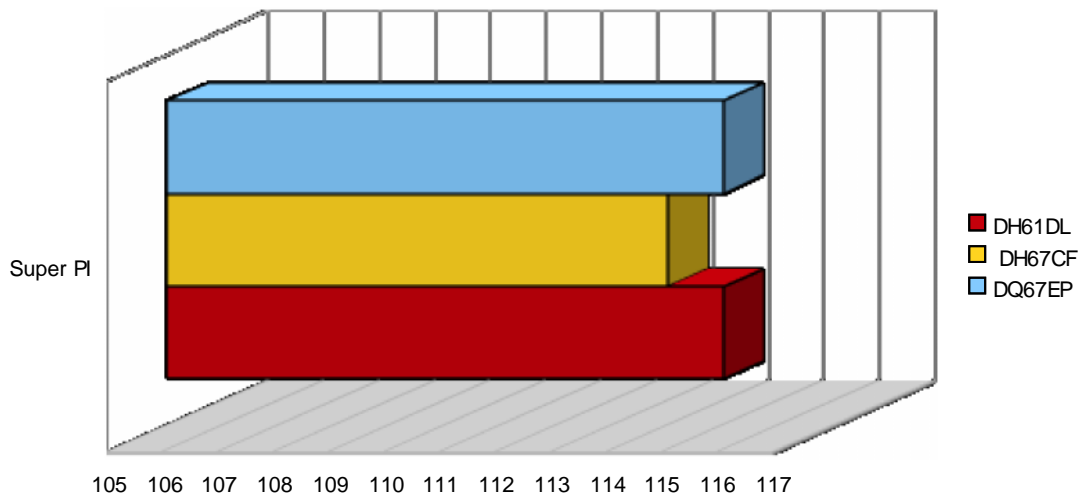
### 3D Mark Test



### Cinebench R10 Test



### Super PI 8M Test



## Power Consumption

<b>Boot</b>	<b>102W</b>
<b>Idle</b>	<b>31W</b>
<b>Last</b>	<b>111W</b>
<b>CD/DVD Load</b>	<b>36W</b>
<b>DVD</b>	<b>37W</b>

## Conclusion

To rate the Diet-board is not really difficult. As you can see in the tests, you don't have to miss something except of a few external and internal connectors. The performance is good again, as we know it from intel.

With the selceted I/O-Ports is the DH61DL a nice alternative and will find its fans.

A Mainboard, without unused bells and whistles, that convinced with it's performance.

[Intel DH61DL is available at CarTFT.com.](http://CarTFT.com)