

## Review MiniPC HAHE-MC

### One „Maß“ full of case

No, we are not at the „Oktoberfest“ in Munich, rather in the MiniITX solutions environment. The worlds smallest MiniITX case is now available.



With 1.3 litre and a size of about 199 x 180 x 36 mm the new HAHE-MC from CarTFT is the smallest MiniITX case worldwide and a wonderful solution to properly fit the new half height interface from Intel (D945GSEJT). The new case is available in black as well as silver and fits perfectly on every desk due to its simple but elegant design.





What are the advantages of this case?

Due to the especially to the Intel mainboard fitted back of the case, the mainboard fits harmonious in the case. The manufacturer made sure to leave space for the optional ports for the onboard power supply as well as the optional WLAN antenna.



The front panel additionally possesses I/Os for sound and USB, which allow the application as a desktop PC, thin client or POS to be very comfortable.



Additionally, the optional available foot allows a very stable stand.



For applications in the area of thin Client or POS the considered VESA 100 mounting at the case is optimal, and in connection with the optional VESA screws easy to use.





The areas of design and handling are well thought through by the manufacturer. In our test, we tried to run the mainboard completely cooled passively and the combination of mainboard and case passed this test with honors. We had this combination run for 48 hours with a full work load and we couldn't recognize any decrease in performance.

A heatsink/fan is part of the delivery content, but we asked ourselves the question „why“? It is an option for special applications.



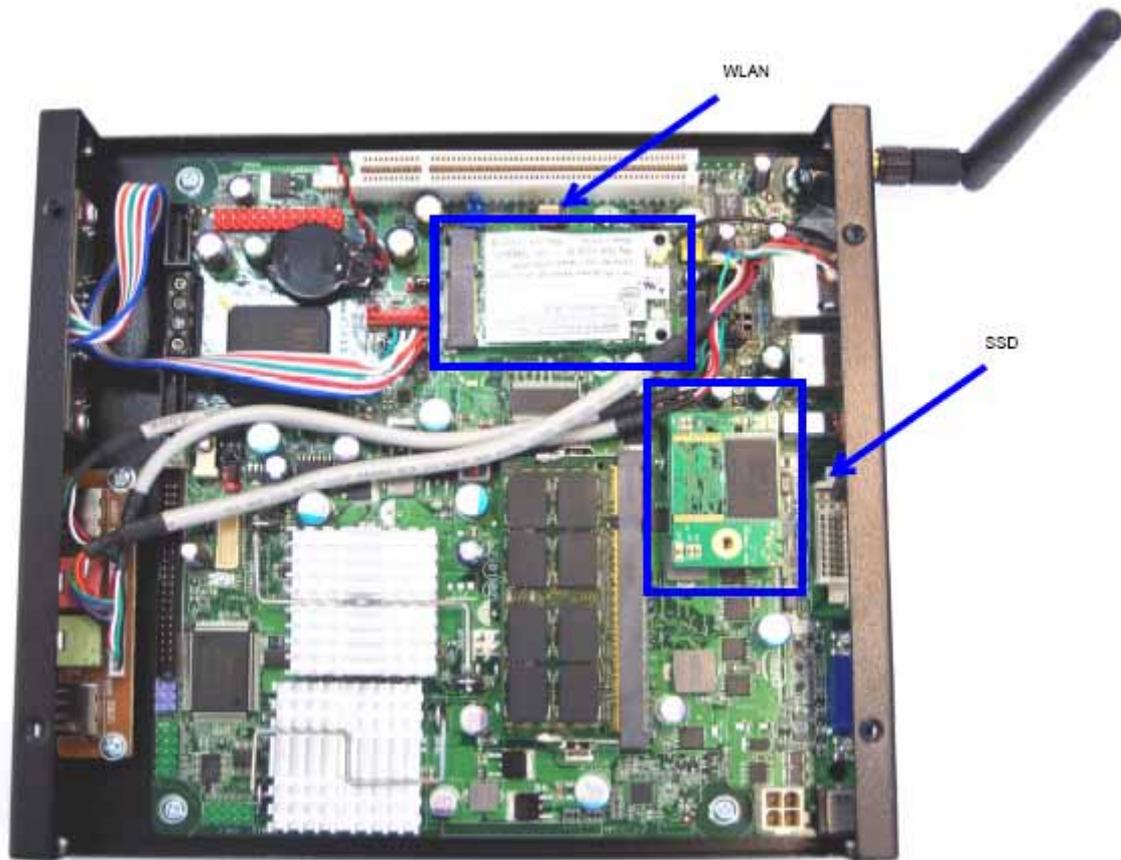
More highlights are the very variable choice of memory as well as the WLAN MiniPCIExpress module. As a memory you can utilize every common 2,5" HDD or SSD, as well as a special USB SSD module (particular USB port on the mainboard/see below).For the WLAN card is here a MiniPCIExpress designated.



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The new case is a true all-rounder and fits perfectly in the new generation of half height MiniITX products. As discussed in the review of the D945GSEJT, we assume that this form factor will bet he future of the MiniITX mainboards.

Who wants to have stable performance with a very small form factor and variable connection possibilities, will be extremely satisfied with the combination of the D945GSEJT, SODIMM RAM, 2,5" HDD (optional 2,5" SSD, IDE, USB or SATA) and HAHE-MC.

**Pro:**

Price-performance is very good – for under €250.00 – you will get a complete system with WLAN and Atom performance.

**Contra:**

CarPC solution is only possible with special power supply (DC/DC converter) with start/stop function.