

# PRODUCT FACTS

## Fanless

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Product Fanless

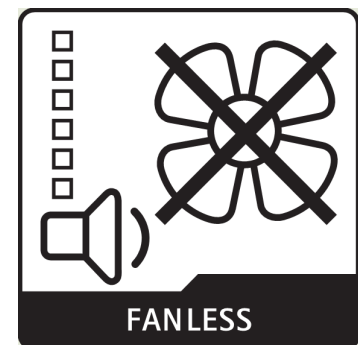
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### Brief Description

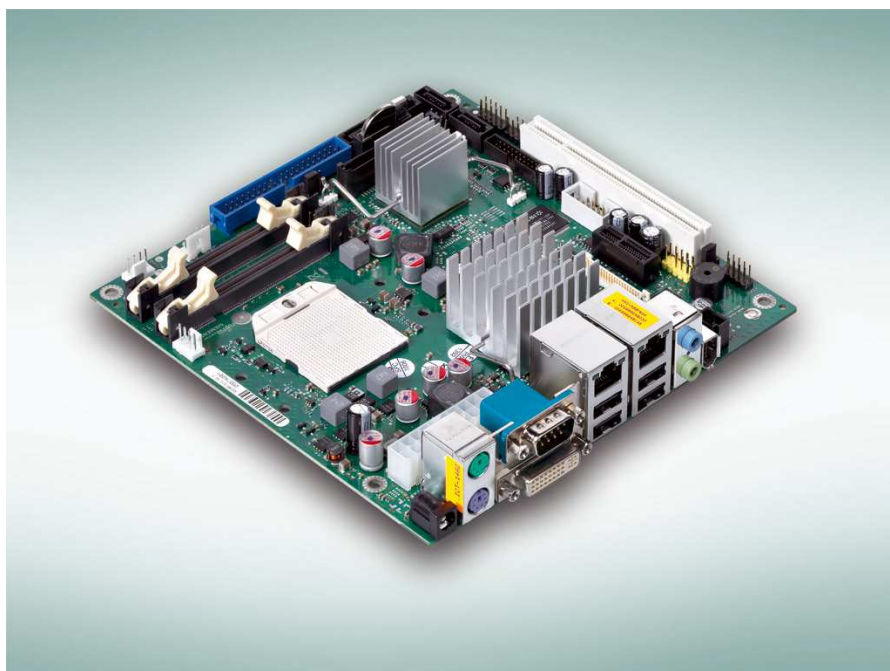
Some versions of Fujitsu Technology Solutions mainboards feature “Fanless”, a technology that enables customers to build absolutely noiseless PC systems with very low power requirements. This functionality is based on mobile technology that is typically found in notebooks.

### Benefits

- Lowest noise
- Very low power systems possible
- Robust system design in extreme environments where fan reliability can't be guaranteed



### Fanless Mainboard Example (Mini ITX D2703-S)



## Functional Description

The “Fanless” technology of Fujitsu Technology Solutions mainboards was designed for the most demanding requirements concerning power consumption and heat dissipation. These mainboards can be operated without a single fan; i.e. as a fully passive cooling solution. The benefits are:

- Extremely low noise
- No fans required in situations where fan technology isn't applicable

The “Fanless” technology is based on mobile technology with a selection of specific components chosen for extended temperature ranges and long life. The selection of CPU types, however, is restricted to a given range of devices that meet the power requirements.

The data sheets of the Fujitsu Technology Solutions mainboards with Fanless technology list the detailed characteristics and requirements.

### Example of Components for a Fanless PC system

- Mini ITX mainboard D2703-S1 using a mobile low power chipset
- AMD Processor, Mobile Sempron 2100+ (max. 8 W Thermal Design Power)
- Passive Heatsink, see figure below (V26898-B883-V10)

Figure Passive Heatsink for Fanless PC



## Additional information and downloads

- General Information:  
[www.ts.fujitsu.com/mainboards](http://www.ts.fujitsu.com/mainboards)
- Documentation and downloads:  
<ftp://ts.fujitsu.com/pub/Mainboard-OEM-Sales/>

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