

## PRODUCT FACTS

### 24/7 Operating Mode

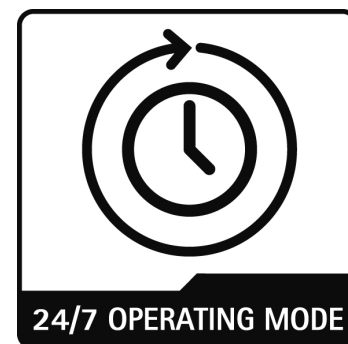
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Product 24/7 Operating Mode

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#### Brief Description

PC systems that need to meet highest reliability and longevity requirements (e.g. in industrial and mission-critical environments) shouldn't be based on standard mainboards. These products often cannot deliver stable 24/7 operation due to premature component failures or instabilities, in particular under harsh operating conditions making full use of climatic and temperature specs.

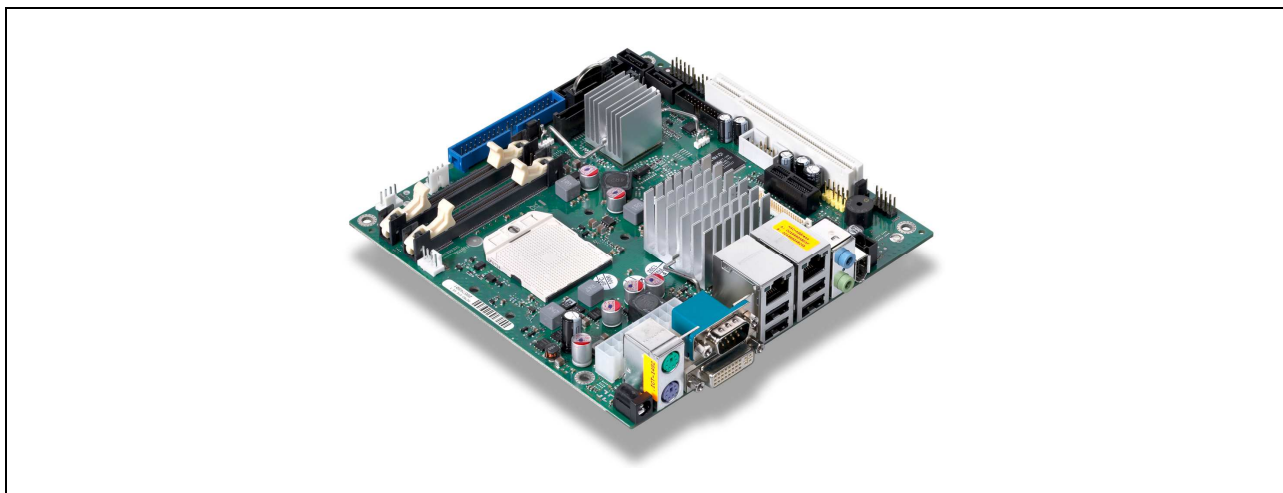
Fujitsu Technology Solutions mainboards specified for 24/7 Operating Mode are designed with these challenging conditions in mind. A careful selection of components with highest quality, combined with extensive simulations and testing under the full range of temperature specifications and under full load guarantee rock-solid function even under these tough conditions.



#### Benefits

- Excellent longevity and reliability for industrial and mission-critical PC systems
- Industry-grade robustness regarding climatic/temperature requirements, also under highest system loads
- Specific component selection and extensive testing and qualification procedures guarantee highest quality
- Manufactured in Fujitsu Technology Solutions' Augsburg (Germany) based production sites

#### 24/7 Operating Mode Mainboard (Mini ITX D2703-S)



## Functional Description

Standard mainboards such as products used in office or consumer PCs should not be used for PC systems that have to meet higher requirements.

Mainboards designed for office use have the following user profile:

- 8 hours/day
- 5 days/week
- Operating temperature range from 0°C to 35°C

Industrial mainboards are designed for the following profile:

- 24/7 operation (24 hours/day, 7 days/week, 365 days/year, 5 years)
- Constant high loads on CPU and/or graphics controllers
- Full usage of available expansion slots and connectors

Such requirements typically occur in industrial environments, e.g. machine control applications.

Fujitsu Technology Solutions has designed a series of mainboards that are capable of meeting these though requirements for 24/7 operation. To guarantee the quality of the products, a variety of development, qualification and production efforts were performed:

- Careful selection of high-quality components with appropriate temperature and durability specifications
- Extensive simulation of signal quality (voltage and timing margins)
- Comprehensive test and qualification to guarantee reliability and longevity
- Manufactured in Fujitsu Technology Solutions' Augsburg (Germany) based production sites under strict quality monitoring

## Additional information and downloads

### 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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