

µ-ATX Mainboard D1171

Mainboard for Intel® Celeron™ and Pentium® processors (PGA370) with 66/100/133 MHz Front Side Bus

Qualität - made in Germany

Das neue Mainboard für PGA370-Prozessoren wird von Siemens in einer der weltweit modernsten Computerfabriken entwickelt und gefertigt. Hierbei spielt neben dem hohen Qualitätsstandard auch der Umweltschutz eine wichtige Rolle.

Innovationen - ganz im Sinne des Kunden

Das µ-ATX Mainboard D1171 besticht durch eine Vielfalt von z. T. einzigartigen Features:

- Intel LAN-Controller on board (opt.)
- Wake-on LAN (WOL)
- Thermal Management
- Instantly Available PC, Save to RAM

Thermal Management

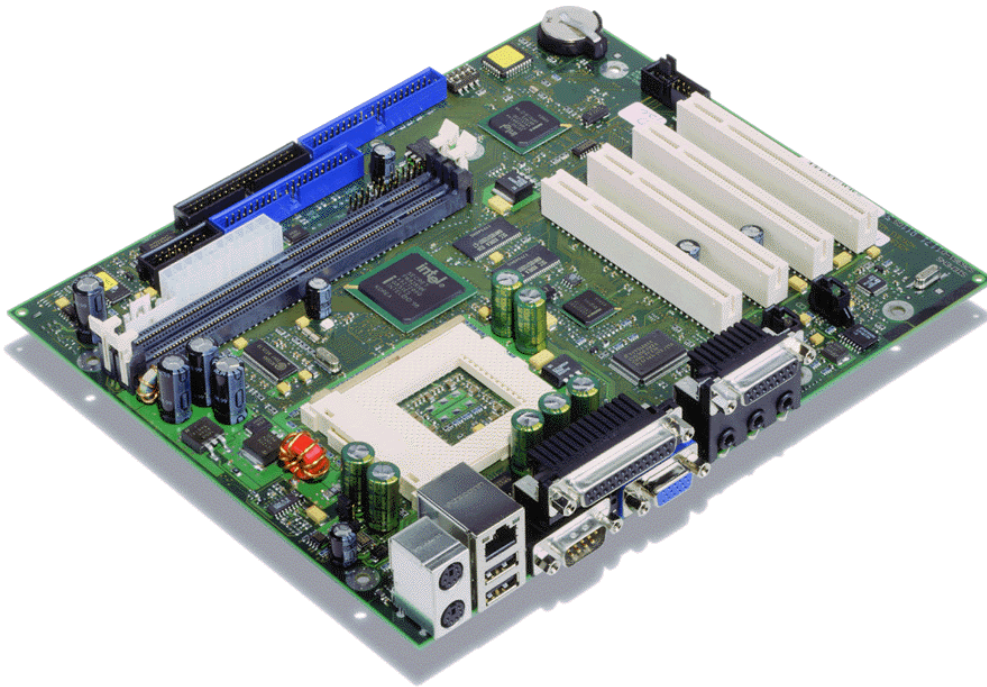
Hierbei handelt es sich um eine neuartige Systemüberwachung. Ein von Siemens entwickelter µ-Controller übernimmt dabei die Regelung der CPU- und Systeminnentemperatur über die Lüfterdrehzahl(en), oder das Heruntertakten der CPU.

Die Vorteile dieser Betriebssystem- und CPU-unabhängigen Hardware-Lösung liegen auf der Hand:

- geeignet für alle Betriebssysteme und CPU-Typen
- höchste Systemsicherheit auch bei Störungen von CPU oder Betriebssystem

Instantly Available PC (Save to RAM)

Mit diesen Funktionen ist Ihr PC nahezu sofort nach dem Einschalten betriebsbereit.



Quality - made in Germany

This new mainboard for PGA370 processors is a Siemens development and is manufactured in one of the world's most modern computer factories. High quality standards are paramount, but equal importance is also attached to protection of the environment.

Innovations – focusing on the customer

The D1171 µ-ATX mainboard boasts a host of features, including some which are unique:

- Intel LAN controller on board (optional)
- Wake-on LAN (WOL)
- Thermal management
- Instantly Available PC, Save to RAM

Thermal management

This is an innovative, monitoring function, controlled by a Siemens-developed microcontroller. It controls the CPU and internal system temperature via the fanspeed(s) and a reducing of the CPU clock rate.

As a hardware solution independent of both operating system and CPU, its advantages are plain to see:

- suitable for all operating systems and CPU types
- optimum system reliability even with CPU or operating system malfunctions

Instantly Available PC (Save to RAM)

These functions mean that your PC is fully operational again almost immediately after powering up.

Technical Data

Systemboard D1171 μ -ATX Mainboard

Processor

Intel Celeron™ Processors, 300 - 700 MHz, PGA370 with 66 MHz or 100 MHz Front Side Bus
 Intel Celeron™ Processors, 500 - 733 MHz, PGA370 with 100 MHz or 133 MHz Front Side Bus
 On board Voltage Regulator for CPU

Chipset Intel 810e

Boardsize Micro-ATX, 9,6" x 8"

Architecture PCI-Bus

Cache Memory

1st Level Cache internal on CPU Module
 2nd Level Cache internal on CPU Module

System Memory

2 unbuffered DIMM- Sockets (3,3 V)
 16 - 512 Mbyte
 168 Pin 100MHz SDRAM, no ECC

On-board I/O

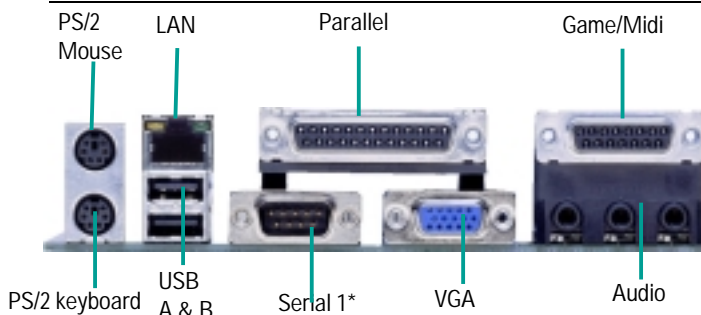
Floppy Interface (up to 2.88 MB)
 2 Serial Ports V24 with FIFO, 16550 compatible
 1 x external, 1 x on board (external via optional cable)
 1 Parallel Port, Standard, bidirectional, EPP/ECP
 1 PS/2-Keyboard and 1 PS/2-Mouse (exchangeable)
 4 PCI Slots
 2 Universal Serial Bus - connectors (USB)
 1 Game/MIDI
 1 Line in, 1 Line out (2x0,5W/8 Ω), 1 Micro in
 1 CD Audio Input, 1 Aux Audio Input,
 1 System Speaker Out (mono, 8 Ω)
 1 VGA

On board IDE

2 IDE Interfaces up to 4 IDE-Drives,
 PIO Mode 4, Ultra-DMA/66, Bus Master

LAN (D1171-A)

Intel LAN - Ethernet Controller 82559 on board 10/100 Mbit/s
 Wake-on LAN (WOL), Magic - Packet™
 LAN boot support (BootP/DHCP Bootcode)
 Intel LANdesk Service Agent (LSA) support



*) external Serial 2 via opt. slot cable

BIOS

Phoenix NuBIOS V4.06 modified and adapted by Siemens
 Plug & Play (PCI, ISA); PCI Auto Configuration
 Advanced Power Management, Desktop Management
 Interface (DMI) Support, BIOS Update via disk
 Support for LS 120 MB Drive
 Quick Boot ,Quiet Boot (silent screen)
 ACPI-Support (Save-to-RAM, Save-to-disk)
 Automatic DRAM configuration

Security Features

Bootsector-Virus Warning
 System and Setup Password
 Boot- and / or Writeprotection for Floppy-Disk-Drive
 Enabling/Disabling of Interfaces possible
 Writeprotection for Flash-BIOS and Recovery

Special Features

Support for Soft-Off Power Supplies
 Battery on socket for Recycling
 Multiple boot (FD, HD, CD, LAN)
 Save to Disk (ACPI S4), Save to RAM (ACPI S3)
 WOL (Wake-on LAN), Systemmonitoring, Thermal
 Management
 USB Wake-up from Save to RAM and Save to Disk

Graphics (VGA)

Intel 810e, 2D/3D graphics controller, 64-bit
 Dynamic Video Memory Technology, 4 MB display cache
 230 MHz RAMDAC
 DDC 2B support for monitor scan

Audio

Analog Device AD 1881
 AC`97 Audio with improved analog performance
 HW 3D Enhancement
 SW Soundblasteremulation (Win98/Win2000) supported
 SW Wavetable Synthesis supported

Variants

	D1171-A	D1171-B
Chipset	Intel 810e	Intel 810e
DIMM sockets	2	2
ISA slots	0	0
PCI slots	4	4
AGP-Port	0	0
Systemmonitoring	x	x
Thermal Management	x	x
Wake-on LAN	x	x
Keyboard On	x	x
Chipcardreader	x	x
Save to Disk (ACPI S4)	x	x
Save to RAM (ACPI S3)	x	x
Audio on board	x	x
VGA on board (4 MB display cache)	x	x
LAN on board	x	

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 Fujitsu Siemens Computers
 Bürgermeister-Ulrich-Str. 100
 D-86199 Augsburg
 Tel. +49 0180 52 11 100
 Fax +49 0180 52 11 101
 World Wide Web:
<http://www.fujitsu-siemens.com/>

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