

Features

- Supports 90nm Intel® µFC-PGA 478 Pentium® 4 / Celeron® CPU
- Intel® 82852GME Chipset
- One DIMM up to 1 GB DDR 266/333 SDRAM
- DVI, 2-CH LVDS, Dual View
- Realtek ALC655 6 CH Audio, TV-out
- Dual Realtek RTL8100C 10/100Mbps LAN
- 1 PCI, 1 Mini PCI, Type I/II CF
- 6 COM, 6 USB 2.0, 8-bit GPIO



Mini ITX Main Board

Specifications

System

CPU	Supports µFC-PGA 478 Intel® Pentium® 4 / Celeron® with FSB 400/533 MHz Supports µFC-PGA 478 Intel® Celeron® with FSB 400 MHz
FSB	400/533 MHz
BIOS	Award 4 Mb Flash BIOS
System Chipset	Intel® 82852GME GMCH / 82801DB ICH4
I/O Chip	Winbond® W83627HF-AW
System Memory	One 184-pin DIMM socket supports up to 1 GB DDR 266/333 SDRAM
SSD	One CompactFlash Type I/II socket
Watchdog Timer	Reset: 1 sec.~255 min. and 1 sec. or 1 min./step
H/W Status Monitor	Monitoring CPU temperature, voltage, and cooling fan status. Auto throttling control when CPU overheats
Expansion	One PCI slot (PCI Rev. 2.2 compliant), One Mini PCI
S3	S3 Support

I/O

MIO	2 x EIDE (Ultra DMA 100), 1 x FDD, 1 x LPT, 5 x RS-232, 1 x RS-232/422/485, 1 x K/B, 1 x Mouse
IrDA	115 kbps, IrDA 1.0 compliant
USB	6 x USB 2.0
DIO	8-bit General Purpose I/O for DI and DO

Display

Chipset	Intel® FW82852GME GMCH integrated Extreme Graphics 2 controller
Display Memory	Intel® DVM 2.1 supports 64 MB video memory
Resolution	CRT mode: 1600 x 1200 @ 32 bpp (85 Hz) LCD/Simultaneous mode: 1600 x 1200 @ 32 bpp (85 Hz)

Dual Display	CRT + LVDS, or DVI/TV-out + LVDS or CRT + DVI
LVDS	Single channel 18/24-bit/Dual-channel 36-bit LVDS
DVI	Chrontel CH7009A DVI transmitter up to 135M pixels/second
TV-out	Chrontel CH7009A TV encoder supports both NTSC/PAL Supports both S-video and composite video

Audio

Chipset	Intel® 82801DB ICH4
AC97 Codec	Realtek ALC655 supports 6 CH AC97 Audio
Audio Interface	Mic in, Line in, CD Audio in, Line out

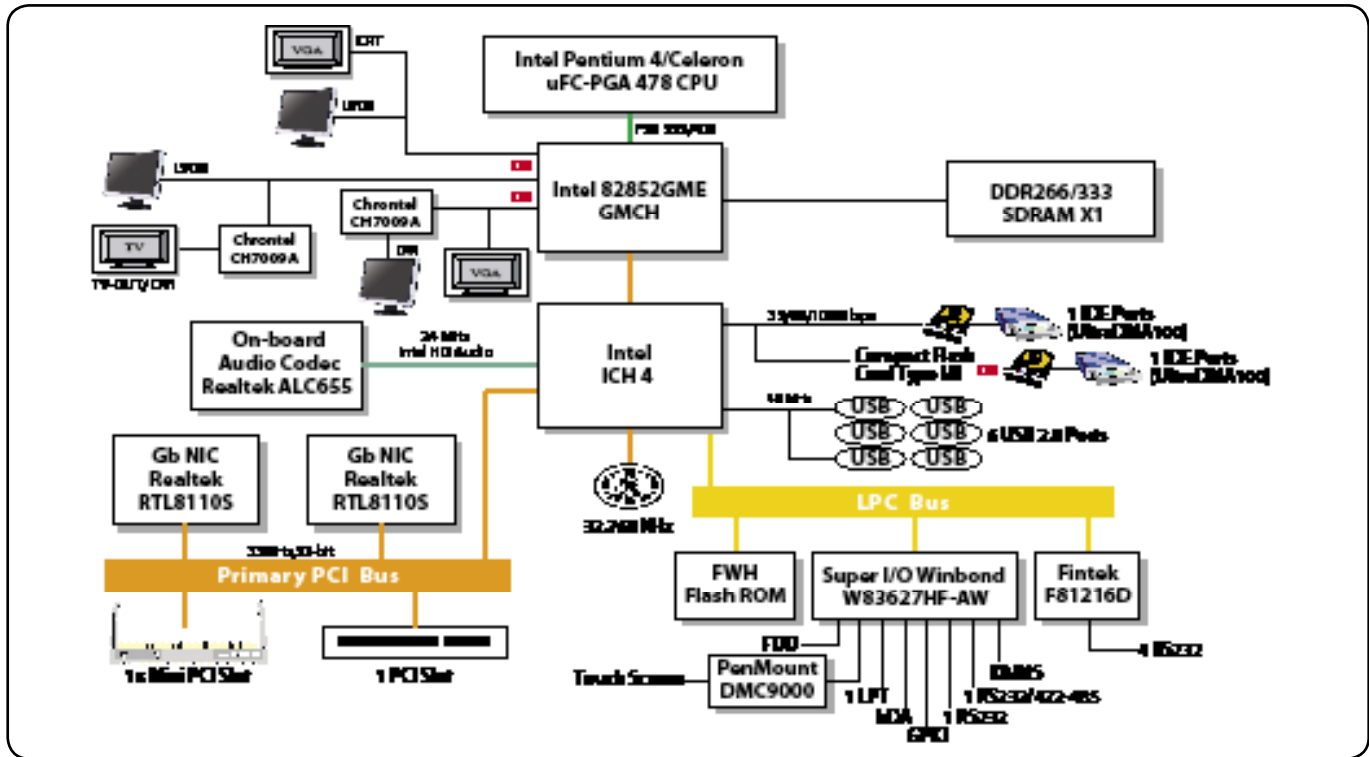
LAN

LAN 1	Realtek RTL8100C 10/100Mbps LAN
LAN 2	Realtek RTL8100C 10/100Mbps LAN

Back Panel I/O

Back Panel I/O Port	1 x PS/2 Keyboard 1 x PS/2 Mouse 1 x Parallel port 1 x Serial port 1 x VGA port 6-Channel Audio I/O (3 jacks) 2 x RJ45 port 4 x USB 2.0/1.1
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Block Diagram



Internal I/O

- **Internal I/O Connector**
 - 1 x USB connectors support additional 2 USB ports
 - 1 x 20-pin ATX Power connector
 - 1 x 4-pin ATX Power connector
 - 1 x Floppy disk drive connector
 - 1 x IDE connector for two devices
 - 5 x COM connector
 - 1 x CPU Fan connector
 - 1 x Chassis Fan connector
 - 1 x CD audio in connector
 - 1 x LVDS connector
 - 1 x LVDS panel backlight connector
 - 1 x IR connector
 - 1 x DVI connector
 - 1 x TV connector
 - 1 x GPIO connector
 - 1 x Front panel

Mechanical & Environmental

- **Power Requirement** +5 V @ 0.51 A, +12 V @ 4.2 A, +3.3 V @ 2.0 A (with Intel® Celeron® 2.4 GHz & 256 MB DDR SDRAM)
- **Power Type** ATX
- **Operating Temperature** 0~60°C (32~140°F)
- **Operating Humidity** 0%~90% relative humidity, non-condensing
- **Size (L x W)** 6.69" x 6.69" (170 mm x 170 mm)
- **Weight** 0.88 lbs (0.4 kg)

Ordering Information

- **i852GME-DCSEI**
Intel® Pentium® 4 / Celeron® ITX Main Board with VGA, 2-CH LVDS, DVI, TV-out, 6 CH Audio, Dual LAN, CF, PCI, 6 COM, 6 USB 2.0, & GPIO

Contact information

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