



Features

- Supports 65nm Intel® µFC-PGA 478 / µFC-BGA 479 (Socket M) Core™ 2 Duo CPU
- Intel® GM965 / GME965 / ICH8-M Chipset
- One SODIMM up to 2 GB DDR2 SDRAM
- 2 x 24-bit LVDS, Dual View
- Supports 5.1 CH / 7.1 CH Audio with S/PDIF
- Dual Realtek RTL 8111B Gigabit LAN
- 1 EIDE, 1 Type I/II CF, 1 Mini PCI
- 2 SATA, 4 USB 2.0, 8-bit GPIO



3.5" Micro Modules

Specifications

System

• CPU	Supports 65nm Intel® µFC-PGA 478 / µFC-BGA 479 (Socket M) Core™ 2 Duo CPU
• BIOS	Award 512KB Flash BIOS
• System Chipset	Intel® GM965 / GME965 / CH8-M
• I/O Chip	Winbond W83627HG-AW
• System Memory	One 200-pin SODIMM socket supports up to 2 GB DDR2 400/533/667 SDRAM
• SSD	One CompactFlash Type I/II socket
• Watchdog Timer	Reset: 1 sec.~255 min. and 1 sec. or 1 min./step
• Expansion	One Mini-PCI slot

I/O

• MIO	1 x EIDE (Ultra DMA100), 2 x SATA, 1 x RS-232, 1 x RS-232/422/485, 1 x K/B & Mouse
• IrDA	115k bps 1.0 compliant
• USB	4 x USB 2.0 ports
• DIO	8-bit GPIO

Display

• Chipset	Intel® GM965 / GME965 Integrated
• Display Memory	Intel® DVMT 4.0 Supports up to 256 MB Video Memory
• Resolution	CRT mode: 2048 x 1536 @ 75 Hz LCD/Simultaneous mode: 1600 x 1200 @ 75Hz Widescreen mode: 1920 x 1200 @ 65Hz
• Multiple Display	CRT + LVDS
• LVDS	Dual-channel 24-bit LVDS
• TV-out	Intel® GM965 Integrated TV Interface Supports HDTV (4 x 1, pitch 2.45 mm pin header) (For GM965 only)

Audio

• AC97 Codec	Realtek ALC883 supports 5.1 CH / 7.1 CH with S/PDIF
• Audio Interface	Mic in, Line in, CD Audio in, Line out, S/PDIF out

Ethernet

• LAN	Realtek RTL8111B PCI-E Gigabit LAN, supports wake on LAN
• Ethernet Interface	10/100/1000Base-Tx Gigabit Ethernet compatible

Mechanical & Environmental

• Power Requirement	+12 V (Micro-P firmware operation applied)
• Power Type	AT/ATX Power
• Operating Temperature	0~60°C (32~140°F)
• Operating Humidity	0%~90% relative humidity, non-condensing
• Size (L x W)	5.7" x 4" (146 mm x 101 mm)
• Weight	0.44 lbs (0.2 Kg)

Ordering Information

- **ECM-GM965**
3.5" Intel® Core™ 2 Duo Micro Module with VG A, 2-CH LVDS, 7.1 CH Audio, Dual Giga LAN, CF, Mini PCI, 2 SATA, 2 COM, 4 USB 2.0 & GPIO
- **ACC-CF-xx**
CompactFlash Card Series (xx = Capacity, Capacity Option: 128, 256, 512 MB, 1, 2, 4 GB)

