



Features

- Supports 65nm Intel® μFC-PGA 478 / μFC-BGA 479 Core™ 2 Duo CPU
- Intel® GME965 / ICH8-M Chipset
- One 200-pin SODIMM up to 2 GB DDR2 SDRAM
- Dual View, 2-CH LVDS, TV-out, HDTV
- 5.1-CH / 7.1-CH Audio, S/PDIF
- Dual Realtek RTL8111B Gigabit Ethernet
- 1 CF, 1 Mini PCI
- 2 SATA, 2 COM, 4 USB, 8-bit GPIO

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|---------------|-----------|--------|-------|---------------|
| Intel® GME965 | Dual View | HDTV | 2 GbE | 7.1-CH S/PDIF |
| Mini PCI | 2 COM | 2 SATA | 4 USB | 8 GPIO |

Specifications

System

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|------------------|---|
| • CPU | Supports 65nm Intel® μFC-PGA 478 / μFC-BGA 479 (Socket P) Core™ 2 Duo CPU |
| • FSB | 667 / 800 MHz |
| • BIOS | Award 4 Mbit Flash BIOS |
| • System Chipset | Intel® GME965 / ICH8-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 | 1 Mini PCI |

I/O

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|--------|--|
| • 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 |
| • DIO | 8-bit General Purpose I/O for DI and DO |

Display

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|--------------------|---|
| • Chipset | Intel® GME965 Integrated |
| • Display Memory | Intel® DVMT 4.0 supports up to 384 MB shared video memory |
| • Resolution | CRT mode: 2048 x 1536 @ 60 Hz LCD / Simultaneous mode: 1600 x 1200 @ 75 Hz Widescreen mode: 1920 x 1200 @ 65 Hz |
| • Multiple Display | CRT + LVDS |
| • LVDS | Dual-channel 18/24-bit LVDS |
| • TV-out | Intel® GME965 Integrated TV-out Interface Supports HDTV |

Audio

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|-------------------|---|
| • Chipset | Intel® ICH8-M |
| • 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

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|----------------------|---|
| • LAN | Dual Realtek RTL8111B PCIe Gigabit Ethernet, supports wake on LAN |
| • Ethernet Interface | 10/100/1000 Base-Tx Gigabit Ethernet compatible |

Mechanical & Environmental

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|-------------------------|--|
| • Power Requirement | +12 V @ 3.76A (Micro-P firmware operation applied) |
| • Power Type | AT |
| • Operating Temperature | 0~60°C (32~122°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-GME965**
3.5" Intel® Core™ 2 Duo Micro Module with VGA, 2-CH LVDS, 7.1-CH Audio, Dual Gigabit Ethernet, CF, Mini PCI, 2 SATA, 2 COM, 4 USB 2.0, 8-bit GPIO
- **ACC-CF-xx**
CompactFlash Card Series (xx = Capacity, Capacity Option: 128, 256, 512 MB, 1, 2, 4, 8 GB)
- **ACC-CPU-x.xx-YYYY**
Core™ 2 Duo, and Celeron® M series (x.xx=Clock Speed, Option: 1.06, 2.00, 2.20; YYYY: Processor Option: T7500, L7500, U7500 for Core™ 2 Duo series, 550 for Celeron® M series)
- **ACC-MEM-xx**
Memory Series (xx = Capacity, Capacity Option: 256, 512 MB, 1, 2 GB)

- 1 Embedded System
- 2 LPC Series
- 3 PPC Series
- 4 FPC Series
- 5 VTP Series
- 6 MTP Series
- 7 ETX/COM Express
- 8 3.5" SBC
- 9 EPIC
- 10 Half-size
- 11 5.25" SBC
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