



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

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

Specifications

System

• 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

• 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

• 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

• 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

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

Mechanical & Environmental

• 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

12
PC/104

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