

# ECM-5718

# ECM-5716

5.25" Intel® 852GM Celeron® M 600 MHz Mini Module

5.25" Intel® 855GME Pentium® M / Celeron® M Mini Module



ECM-5718



## Features

- Onboard Intel® Celeron® M 600 MHz with 512K L2 Cache CPU
- Intel® 852GM / ICH4 Chipset
- One 184-Pin DIMM up to 1 GB DDR SDRAM
- Dual View, DVI, 2-CH LVDS, TV-out, 5.1-CH Audio, LAN, OptionalGbE
- 2 IEEE-1394A, 1 CardBus, 1 PCI, 1 CF, 2 COM, 4 USB
- Fanless Operation

## Specifications

### System

|                      |   |
|----------------------|---|
| • CPU                | Onboard Intel® µFC-BGA 479 Celeron® M 600 MHz with 512K L2 Cache    |
| • FSB                | 400 MHz   |
| • BIOS               | Award 4 Mbit Flash BIOS   |
| • System Chipset     | Intel® 852GM GMCH / ICH4  |
| • I/O Chip           | Winbond W83627HG-AW   |
| • System Memory      | One 184-pin socket supports up to 1 GB DDR 200/266 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 system temperature, voltage with auto throttling control |
| • Expansion          | 1 CardBus, 1 PCI (PCI 2.2 compliant)                                |

### I/O

|              |   |
|--------------|---|
| • MIO        | 2 x EIDE (Ultra DMA 100), 2 x FDD, 1 x LPT, 1 x RS-232, 1 x RS-232/422/485, 1 x K/B & Mouse |
| • IrDA       | 115k bps, IrDA 1.0 compliant  |
| • USB        | 4 x USB 2.0 ports   |
| • IEEE-1394A | 2 x IEEE-1394A  |

### Display

|                     |   |
|---------------------|---|
| • Chipset           | Intel® 852GM integrated Extreme Graphics 2 controller   |
| • Display Memory    | Intel® DVMT 2.1 supports up to 64 MB shared video memory  |
| • Resolution        | CRT mode: 2048 x 1536 @ 16 bpp (75 Hz)<br>LCD / Simultaneous mode: 2048 x 1536 @ 16 bpp (75 Hz)   |
| • Multiple Display  | CRT + LVDS, or DVI / TV-out + LVDS, or CRT + DVI  |
| • VGA/LCD Interface | AGP 4X VGA / LCD interface  |
| • LVDS              | Dual-channel 18/24-bit LVDS   |
| • DVI               | Chrontel CH7009B DVI transmitter  |
| • TV-out            | Chrontel CH7009B TV encoder supports both NTSC / PAL<br>Supports both S-Video and composite video |

### Audio

|                   |  |
|-------------------|--|
| • Chipset         | Intel® 82801DB ICH4                    |
| • AC97 Codec      | VIA VT1616 supports 5.1-CH Audio       |
| • Audio Interface | Mic in, Line in, CD Audio in, Line out |

### Ethernet

|                      |  |
|----------------------|--|
| • LAN 1              | Intel® 82551ER, Optional Intel® 82541ER Gigabit Ethernet   |
| • LAN 2              | Intel® 82562ET   |
| • Ethernet Interface | 100 Base-Tx Fast Ethernet compatible: Intel® 82562ET, 82551ER<br>1000 Base-T Gigabit Ethernet compatible: Intel® 82541ER |

### Mechanical & Environmental

|                   |  |
|-------------------|--|
| • Power Type      | ATX                                      |
| • Operating Temp. | 0~60°C (32~140°F)                        |
| • Humidity        | 0%~90% relative humidity, non-condensing |
| • Size (L x W)    | 8" x 5.75" (203 mm x 146 mm)             |
| • Weight          | 0.88 lbs (0.4 kg)                        |

## Ordering Information

- **ECM-5718**  
5.25" Intel® 852GM Celeron® M 600 MHz Mini Module with Heatsink, VGA, 2-CH LVDS, DVI, TV-out, 5.1-CH Audio, Dual LAN, CF, 2 IEEE-1394A, CardBus, PCI, 4 USB, 2 COM
- **EES-5718**  
Intel® Celeron® M 600 MHz with 512K L2 Cache Micro PC, Heatsink, VGA, DVI, Audio, Dual LAN, CardBus, CF, 2 COM, 4 USB 2.0, IEEE-1394A
- **ACC-CF-xx**  
CompactFlash Card Series (xx = Capacity, Capacity Option: 128, 256, 512 MB, 1, 2, 4 GB)
- **ACC-MEM-xx**  
Memory Series (xx = Capacity, Capacity Option: 128, 256, 512 MB, 1, 2 GB)
- **E1704640400R**  
DVI Cable 24P/1.91-40P/1.25 40cm



ECM-5716



## Features

- Supports 90nm Intel® µFC-PGA 478 / µFC-BGA 479 Pentium® M / Celeron® M CPU
- Intel® 82855GME / ICH4 Chipset
- One 184-Pin DIMM up to 1 GB DDR SDRAM with ECC Supported
- Dual View, 2-CH LVDS, DVI, 5.1-CH Audio
- Dual LAN, Optional Gigabit Ethernet
- 2 IEEE-1394A, 1 CardBus, 1 PCI, 1 CF, 2 COM, 4 USB

## Specifications

### System

|                      |  |
|----------------------|--|
| • CPU                | Supports Intel® µFC-PGA 478 Pentium® M / Celeron® M CPU with 0.13µ and 90nm process technology |
| • FSB                | 400 MHz  |
| • BIOS               | Award 4 Mbit Flash BIOS  |
| • System Chipset     | Intel® 82855GME GMCH / 82801DB ICH4  |
| • I/O Chip           | Winbond W83627HG-AW  |
| • System Memory      | One 184-pin socket supports up to 1 GB DDR 266/333 SDRAM with ECC supported                    |
| • 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 system temperature, voltage, and fan status with auto throttling control            |
| • Expansion          | 1 CardBus, 1 PCI (PCI 2.2 compliant)   |

### I/O

|              |   |
|--------------|---|
| • MIO        | 2 x EIDE (Ultra DMA 100), 2 x FDD, 1 x LPT, 1 x RS-232, 1 x RS-232/422/485, 1 x K/B & Mouse |
| • IrDA       | 115k bps, IrDA 1.0 compliant  |
| • USB        | 4 x USB 2.0 ports   |
| • IEEE-1394A | 2 x IEEE-1394A  |

### Display

|                    |   |
|--------------------|---|
| • Chipset          | Intel® 82855GME GMCH integrated Extreme Graphics 2 controller                                   |
| • Display Memory   | Intel® DVMT 2.1 supports up to 64 MB shared video memory  |
| • Resolution       | CRT mode: 2048 x 1536 @ 16 bpp (75 Hz)<br>LCD / Simultaneous mode: 2048 x 1536 @ 16 bpp (75 Hz) |
| • Multiple Display | CRT + LVDS, or CRT + DVI  |
| • LVDS             | Dual-channel 18/24-bit LVDS   |
| • DVI              | Chrontel CH7301C DVI transmitter  |

### Audio

|                   |  |
|-------------------|--|
| • Chipset         | Intel® 82801DB ICH4                    |
| • AC97 Codec      | VIA VT1616 supports 5.1-CH Audio       |
| • Audio Interface | Mic in, Line in, CD Audio in, Line out |

### Ethernet

|                      |  |
|----------------------|--|
| • LAN 1              | Intel® 82551ER, Optional Intel® 82541ER Gigabit Ethernet   |
| • LAN 2              | Intel® 82562ET   |
| • Ethernet Interface | 100 Base-Tx Fast Ethernet compatible: Intel® 82562ET, 82551ER<br>1000 Base-T Gigabit Ethernet compatible: Intel® 82541ER |

### Mechanical & Environmental

|                     |   |
|---------------------|---|
| • Power Requirement | +5 V @ 3.10 A, +3.3 V @ 2.06 A, +5 VSB @ 0.64 A, +12 V @ 0.23 A (with Intel® Pentium® M 1.7 GHz/1 GB DDR SDRAM) |
| • Power Type        | ATX   |
| • Operating Temp.   | 0~60°C (32~140°F)   |
| • Humidity          | 0%~90% relative humidity, non-condensing  |
| • Size (L x W)      | 8" x 5.75" (203 mm x 146 mm)  |
| • Weight            | 0.88 lbs (0.4 kg)   |

## Ordering Information

- **ECM-5716**  
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- **EES-5716**  
Intel® Pentium® M / Celeron® M Mini PCI with VGA, LCD, Audio, Dual LAN, PCI, 2 COM, 4 USB 2.0, IEEE-1394A
- **ACC-CF-xx**  
CompactFlash Card Series (xx = Capacity, Capacity Option: 128, 256, 512 MB, 1, 2, 4 GB)
- **ACC-MEM-xx**  
Memory Series (xx = Capacity, Capacity Option: 128, 256, 512 MB, 1 GB)
- **E1704640400R**  
DVI Cable 24P/1.91-40P/1.25 40cm

1

Embedded System

2

LPC Series

3

PPC Series

4

FPC Series

5

VTP Series

6

MTP Series

7

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3.5" SBC

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EPIC

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Half-size

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5.25" SBC

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