



# ESM-2740

# ESM-2743

Intel® 855GME Pentium® M / Celeron® M ETX Module

Intel® 852GM Celeron® M 600 MHz ETX Module



## ESM-2740 Intel® 855GME ETX Module



### Features

- Supports 90nm Intel® Pentium® M / Celeron® M CPU
- Intel® 855GME / ICH4 Chipset
- One 200-pin SODIMM up to 1 GB DDR SDRAM with ECC Supported
- Dual View, 2-CH LVDS, TV-out, Audio, LAN
- ISA Bridge, 4 PCI, 2 COM, 4 USB
- Fanless Possible Operation

### Specifications

#### System

• CPU	Supports 90nm Intel® µFC-PGA 478 / µFC-BGA 479 Pentium® M / Celeron® M CPU Note: Available in different CPU speeds by request
• BIOS	Award 4 Mbit Flash BIOS
• System Chipset	Intel® 82855GME GMCH / 82801DB ICH4
• I/O Chip	Winbond W83627HG
• System Memory	One 200-pin SODIMM socket supports up to 1 GB DDR 266/333 SDRAM with ECC supported
• Watchdog Timer	Reset: 1 sec.~255 min. and 1 sec. or 1 min./step
• Expansion	4 PCI bus, ISA bus

#### I/O

• MIO	2 x EIDE, 1 x FDD/LPT, 2 x TTL serial, 1 x K/B & Mouse
• IrDA	115k bps, IrDA 1.0 compliant
• USB	4 x USB 2.0 ports

#### Display

• Chipset	Intel® 82855GME integrated Extreme Graphics 2 controller
• Display Memory	Intel® DVM T 2.1 supports up to 64 MB shared video memory
• Resolution	CRT mode: 2048 x 1536 @ 16 bpp (75 Hz) LCD / Simultaneous mode: 2048 x 1536 @ 16 bpp (75 Hz)
• Multiple Display	CRT + LVDS, or TV out + LVDS, or CRT + TV out
• LVDS Interface	Dual-channel 18/24-bit LVDS
• TV-out	Chrontel CH7011 TV encoder supports NTSC/PAL Supports both S-video and composite video

#### Audio

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

#### Ethernet

• LAN	Realtek RTL8101L 10/100 Mbps LAN
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#### Mechanical & Environmental

• Power Requirement	+5 V @ 3.11 A, +12 V @ 0.31 A, +3.3 V @ 0 A, 5 Vsb @ 0.08 A (with Intel® Celeron® M 1 GHz & 1 GB DDR SDRAM)
• Power Type	AT / ATX
• Operating Temp	0~60°C (32~140°F)
• Operating Humidity	0%~90% relative humidity, non-condensing
• Size (L x W)	4.5" x 3.7" (114 mm x 95 mm)
• Weight	0.22 lbs (0.1 kg)

#### Ordering Information

##### • ESM-2740

Intel® Pentium® M / Celeron® M ETX Module



## ESM-2743 Intel® 8552GM ETX Module



### Features

- Onboard Intel® Celeron® M 600 MHz CPU
- Intel® 852GM / ICH4 Chipset
- One 200-pin SODIMM up to 1 GB DDR SDRAM
- Dual View, 2-CH LVDS, TV-out, Audio, LAN
- ISA Bridge, 4 PCI, 2 COM, 4 USB
- Fanless Possible Operation

### Specifications

#### System

• CPU	Onboard Intel® µFC-BGA 479 Celeron® M 600 MHz with 512K L2 Cache CPU
• BIOS	Award 4 Mbit Flash BIOS
• System Chipset	Intel® 82852GM GMCH / 82801DB ICH4
• I/O Chip	Winbond W83627HG-AW
• System Memory	One 200-pin SODIMM socket supports up to 1 GB DDR 200/266 SDRAM
• Watchdog Timer	Reset: 1 sec.~255 min. and 1 sec. or 1 min./step
• Expansion	4 PCI bus, ISA bus

#### I/O

• MIO	2 x EIDE, 1 x FDD/LPT, 2 x TTL serial, 1 x K/B & Mouse
• IrDA	115k bps, IrDA 1.0 compliant
• USB	4 x USB 2.0 ports

#### Display

• Chipset	Intel® 82852GM integrated Extreme Graphics 2 controller
• Display Memory	Intel® DVM T 2.1 supports up to 64 MB shared video memory
• Resolution	CRT mode: 2048 x 1536 @ 16 bpp (75 Hz) LCD / Simultaneous mode: 2048 x 1536 @ 16 bpp (75 Hz)
• Multiple Display	CRT + LVDS, or TV out + LVDS, or CRT + TV out
• VGA/LCD Interface	AGP 4X VGA/LCD interface
• LVDS Interface	Dual-channel 18/24-bit LVDS
• TV-out	Chrontel CH7011 TV encoder supports both NTSC / PAL Supports both S-video and composite video

#### Audio

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

#### Ethernet

• LAN	Realtek RTL8101L 10/100 Mbps LAN
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#### Mechanical & Environmental

• Power Requirement	+5 V @ 3.22 A, +12 V @ 0 A, +3.3 V @ 0 A, 5 Vsb @ 0.08 A (with Intel® Celeron® M 600 MHz with 1 GB DDR SDRAM)
• Power Type	AT / ATX
• Operating Temp.	0~60°C (32~140°F)
• Operating Humidity	0%~90% relative humidity, non-condensing
• Size (L x W)	4.5" x 3.7" (114 mm x 95 mm)
• Weight	0.22 lbs (0.1 kg)

#### Ordering Information

##### • ESM-2743

Intel® Celeron® M 600 MHz with 512K L2 Cache ETX Module