

ESM-2743

Intel® 852GM Celeron® M 600 MHz with
0K/512K L2 Cache ETX Module

Features

- Onboard Intel® Celeron® M 600 MHz with 512K L2 Cache CPU
- Intel® 82852GM Chipset
- One SODIMM up to 1 GB DDR SDRAM
- 2-CH LVDS, Dual View
- 5.1 CH Audio, TV-out
- Realtek RTL8101L 10/100Mbps LAN
- Winbond W83628F & W83629D PCI to ISA Bridge
- 2 COM, 4 USB 2.0
- Fanless Possible Operation

Intel
852GM512K L2
CacheDual
View

TV-out

4 USB
2.0

Specifications

System

• CPU	Onboard Intel® µFC-BGA 479 Celeron® M 600 MHz with 512K L2 Cache
• BIOS	Award 512 KB 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	Four PCI bus, ISA bus, SIRQ

I/O

• MIO	2 x EIDE (Ultra DMA 100), 1 x FDD/LPT, 2 x TTL serial, 1 x K/B, 1 x Mouse
• IrDA	115k bps, IrDA 1.0 compliant
• USB	4 x USB 2.0 ports

Display

• Chipset	Intel® RG82852GM integrated Extreme Graphics 2 controller
• Display Memory	Intel® DVM2.1 supports up to 64 MB 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 both NTSC/PAL Supports both S-video and composite video

Audio

• AC97 Codec	VIA VT1616 supports 5.1 CH. Audio
• Audio Interface	Mic in, Line in, Line out

Ethernet

• LAN	Realtek RTL8101L
• Ethernet Interface	100Base-Tx Fast Ethernet compatible

Mechanical & Environmental

• Power Consumption	+5 V @ 3.22 A, +12 V @ 0.11 A, +3.3 V @ 0 A, 5 Vsb @ 0.08 A (with Intel® Celeron® M 600 MHz with 512K L2 Cache & 1 GB DDR SDRAM)
• Power Type	AT/ATX
• Operating Temperature	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
 - **EEV-EX01 P. 2-13**
ETX carrier board for evaluation
 - **ETX Carrier Board P. 2-14 ~ P. 2-15**
Available in various form factors
 - **ACC-2743HS-01R**
Heat Spreader for ESM-2740 / ESM-2743 BGA CPU 95 x 114 x 24 mm (RoHS)
 - **ACC-2743HS-02R**
Heat Sink Thermal Module for ESM-2743 (BGA) w/o Fan 95 x 114 x 24 mm (RoHS)
 - **ACC-2740HS-02R**
Heat Spreader for ESM-2740 / ESM-2743 BGA CPU 95 x 114 x 8 mm (RoHS)
 - **ACC-2740HS-04R**
Heat Sink Thermal Module for ESM-2743 (BGA) w/o Fan 95 x 114 x 30.4 mm (RoHS)
 - **ACC-ETXHS series**
 - ACC-ETXHS-01R:** Heatsink for ETX Heat Spreader w/o Fan, 95 x 114 x 16 mm
 - ACC-ETXHS-02R:** Heatsink for ETX Heat Spreader with Fan, 95 x 114 x 16 mm
 - ACC-ETXHS-03R:** Heatsink for ETX Heat Spreader w/o Fan, 95 x 114 x 30.4 mm
 - ACC-ETXHS-04R:** Heatsink for ETX Heat Spreader with Fan, 95 x 114 x 30.4 mm
- Note: Cable kit not included

01
RISC02
ETX03
3.5"04
EPIC05
5.25"06
MB07
PC/10408
Barebones09
Smart
Terminal10
InnoFlex
PPC11
ACC