



Onboard Intel® µFC-BGA 479 Celeron® M 600 MHz with 512K L2 Cache CPU



Intel® ICH6-M Chipset One 200-pin up to 1 GB DDR2 SDRAM

Intel® 910GML E Chipset

2 SATA

Features

- Onboard Intel® Celeron® M 600 MHz with 512K L2 Cache CPU
- Intel® 910GML E / ICH6-M Chipset
- One 200-pin SODIMM up to 1 GB DDR2 SDRAM
- Dual View, 2-CH LVDS
- AC97 Audio
- Realtek 8101E 10/100 Mbps LAN
- 2 SATA, 4 USB 2.0, 2 COM, 4 PCI, ISA Bus
- Fanless Possible Operation

Intel 910GML E

DDR2

Dual View

4 USB 2.0

4 PCI

2 SATA

1 ISA

Fanless

Specifications

System

• CPU	Onboard Intel® µFC-BGA 479 Celeron® M 600 MHz with 512K L2 Cache CPU
• BIOS	Award 512 KB Flash BIOS
• System Chipset	Intel® 910GML E / ICH6-M
• System Memory	One 200-pin SODIMM socket supports up to 1 GB DDR2 333/400 SDRAM
• Watchdog Timer	Reset: 1 sec.~255 min. and 1 sec. or 1 min./step
• Expansion	4 PCI, 1 ISA Bus

I/O

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

Display

• Chipset	Intel® 910GML E
• Display Memory	Intel® DVM T 3.0 Supports up to 128 MB video memory
• Resolution	CRT mode: 2048 x 1536 @ 16 bpp (75 Hz) LCD / Simultaneous mode: 1600 x 1200 @16 bpp (60 Hz)
• Multiple Display	CRT + LVDS
• LVDS Interface	Dual channel 18/24-bit LVDS

Audio

• Chipset	Intel® NH82801FBN ICH6-M
• AC97 Codec	Realtek ALC203
• Audio Interface	Line in, Line out & Mic in

Ethernet

• LAN	Realtek 8101E
• Ethernet Interface	10/100 Base-Tx Fast Ethernet compatible

Mechanical & Environmental

• Power Requirement	+5V
• 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-910ETX**
Intel® Celeron® M 600 MHz with 512K L2 Cache ETX Module
- **EEV-EX01**
ETX carrier board for evaluation
- **ETX Carrier Board** P. 1-16 ~ P. 1-20
Available in various form factors
- **ACC-HSP-945-1R**
HeatSpreader for ESM-910/945ETX PGA Type
- **ACC-HSP-945-2R**
HeatSpreader for ESM-910/945ETX BGA Type
- **ACC-HSK-945-1R**
Heatsink for ESM-910/945ETX PGA Type with FAN H=36mm
Note: Cable Kit not included

CH1

ETX/
COM Express

CH2

3.5" SBC

CH3

EPIC

CH4

5.25" SBC

CH5

PC/104

CH6

IMB

CH7

Embedded
System

CH8

MTP
Panel PC

CH9

Panel PC

CH10

ahis

CH11

Peripheral

CH12

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