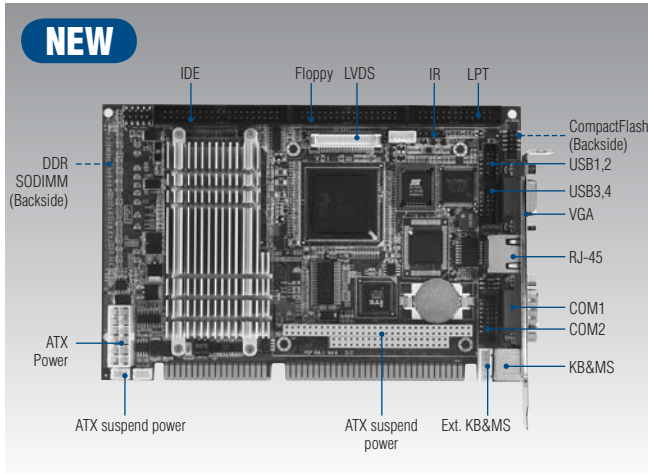


# PCA-6780

ISA half-sized SBC, ULV Celeron M,  
VGA/LCD/LAN/CFC/USB



## Features

- Intel® Celeron® M CPU 852GM+ICH4 Chipsets
- 200 pin SODIMM socket DDR 200/266 MHz SDRAM up to 1 GB
- Support single 10/100Base-T Ethernet
- Fanless

## Specifications

### General

- **CPU** Intel Celeron M processor
- **2nd Cache Memory** 512 KB L2 cache on Celeron M 600 MHz, 0 KB L2 cache on Celeron M 1 GHz
- **System Chipset** Intel 852GM + ICH4
- **BIOS** AWARD 4 Mbit Flash BIOS
- **System Memory** 1 x 200-pin SODIMM support DDR 200/266 MHz SDRAM up to 1 GB
- **Power Management** APM 1.2
- **SSD** Support Compact Flash Card TYPE I/II
- **Watchdog Timer** 255 level timer interval
- **Expansion Interface** 16-bit ISA Gold Finger, PC104
- **Battery** Lithium 3 V/220 mA

### I/O

- **I/O Interface** 2 x EIDE ( supports ATA-100/66/33 IDE devices), 1 x FDD, 1 x K/B, 1 x mouse, 1 x RS-232, 1 x RS-232/422/485, 4 USB2.0, 1 LPT
- **Audio** AC97 interface for external Audio CODEC
- **IrDA** 115.2 kbps, IrDA 1.0 compliant
- **GPIO** 8-bit General Purpose I/O for DI and DO

### Ethernet

- **Chipset** Realtek RTL8100C or Intel 82551ER
- **Speed** 10/100 Base-T
- **Interface** 1 x RJ-45
- **Standard** IEEE 802.3u

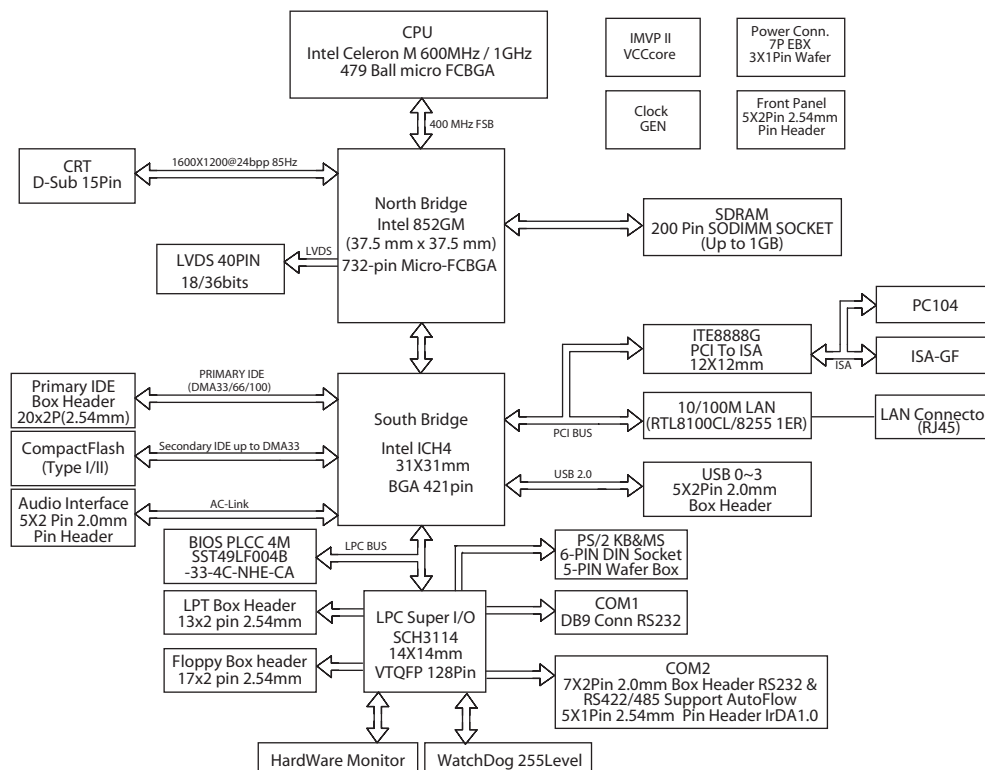
### Display

- **Chipset** Intel 852GM integrated graphic
- **Memory Size** up to 64 MB shared Memory
- **Resolution** VGA mode:1920 x 1440 @ 60 MHz  
LCD mode:1440 x 1050 @ 60 MHz
- **Dual Independent Display** CRT+LVDS
- **LVDS** Dual-channel 36 bit LVDS

### Mechanical and Environmental

- **Dimension (L x W)** 185 x 122 mm
- **Weight** 0.27kg
- **Operating Temperature** 0 ~ 60° C (32 ~ 140° F)
- **Operating Humidity** Operating Humidity 10% ~ 90% relative humidity, noncondensing
- **Power Supply Voltage** +5 V ±5 %, +12 V ±5 %
- **Power Consumption**

## Board Diagram



## Packing List

- 1 x PCA-6780 SBC
- 1 x Y Cable for PS/2 Keyboard, PS/2 Mouse (p/n:1700060202)
- 1 x E-IDE (HDD) Cable (p/n:1701400452)
- 1 x FDD Cable (p/n:1701340705)
- 1 x Parallel Port Cable (p/n:1701260301)
- 1 x ATX Power Cable (3pin 2.54mm to 2.0mm) (p/n:1700002343)
- 1 x COM Port Cable (p/n:1701140201)
- 1 x USB 2 port cable (p/n:1703100260)
- 1 x Mini Jumper (p/n:1653300100)
- 1 x ATX Power Cable (20pin to 12pin) (p/n: 1700000265)
- 1 x Startup Manual
- 1 x Utility CD

## Optional Accessories

- PCA-6104-0C2E 4-slot ISA backplane
- PCA-6106-0B2E 6-slot ISA backplane
- PCA-6108-0C2E 8-slot ISA backplane
- IPC-644-15ZE 4-slot ISA chassis IPC-644 with PCA-6104-0C2E & 150W PSU
- IPC-644BP-15ZE 4-slot ISA chassis IPC-644 w/o BP with 150W PSU
- IPC-6806SB-15ZBE 6-slot ISA chassis IPC-6806S w/o BP with 150W PSU
- PCM-231A-00A1E Audio module with Line-in, Line-out, Mic cable adapter (2.00 mm)
- 1703100260 USB CompactFlash 50-pin to IDE 44-pin adapter
- CF-HDD-ADP IrDA adapter
- 9689000042

## Ordering Information

Standard	CPU	LVDS	10/100	USB	LPT	GPIO	IrDA	CF	PC-104
PCA-6780F-M0A1E	Celeron M 600 MHz	1	8100C	4	1	8-bit	115 kbps	Type I/II	1
PCA-6780F-S0A1E	Celeron M 1.0 GHz	1	8100C	4	1	8-bit	115 kbps	Type I/II	1