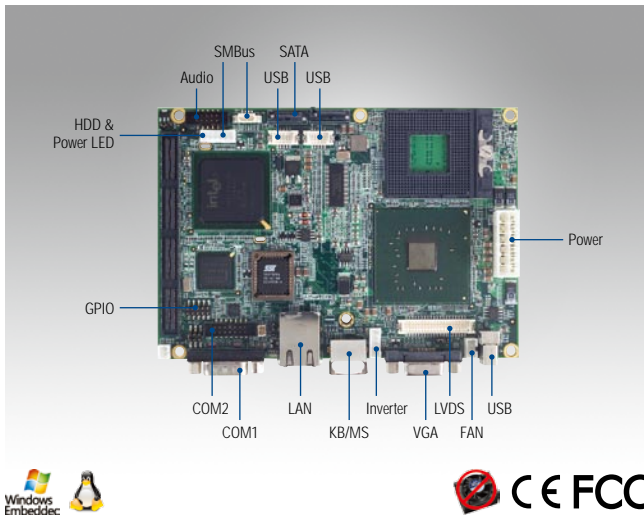


# PCM-9382

Intel® Core™2 Duo Processor 3.5" SBC,  
CRT, LVDS, LAN, USB, SATA, SSD



## Features

- Embedded Intel® Core™2/Core™ Duo processor LV/ ULV
- Supports 48-bit LVDS/ VGA display
- Supports Giga LAN and HD audio
- Supports five USB 2.0 ports and one SATA II
- Supports embedded software API and utility

**Software APIs:**

- GPIO
- H/W Monitor
- Watchdog
- Backlight On/Off
- SMBus
- CPU Speed
- System Throttling

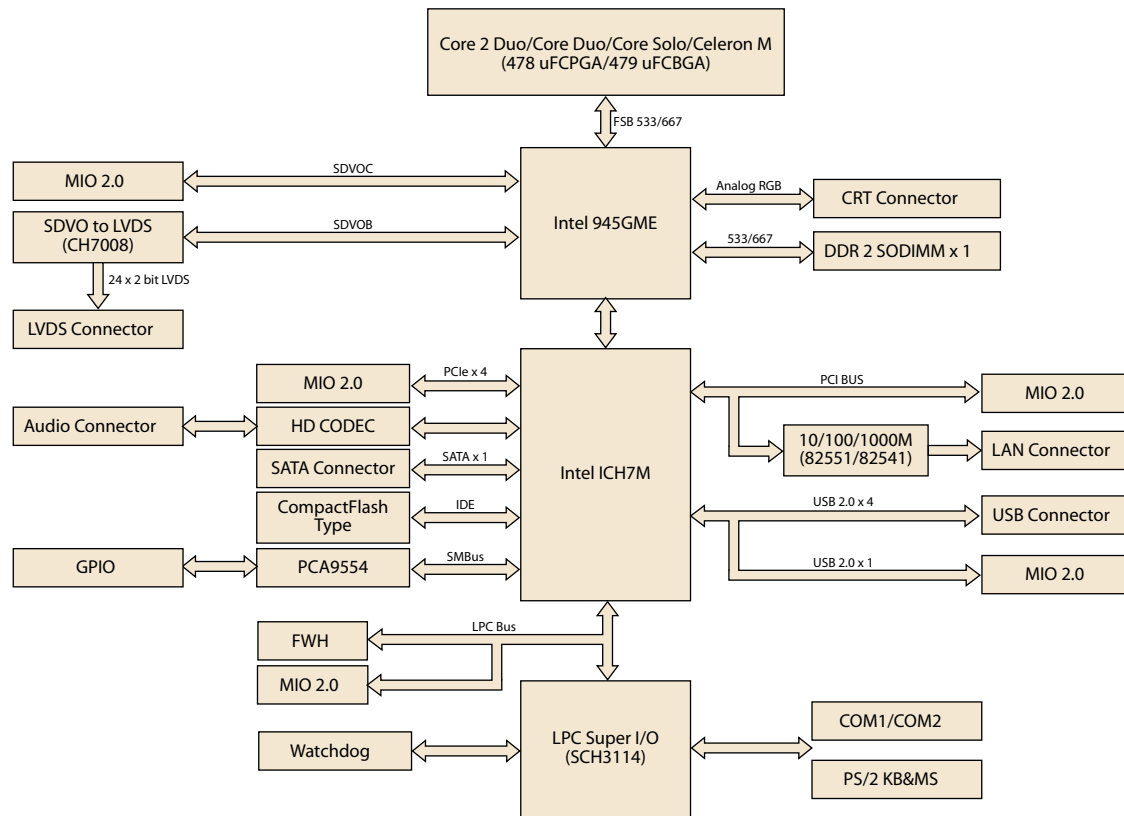
**Utilities:**

- BIOS flash
- Monitoring

## Specifications

Processor System	CPU	Intel Core 2 Duo/Core Duo/Core Solo FSB667 MHz socket 478 type, up to Intel Core 2 Duo T74000 Intel Celeron M 1.06 GHz (423) Onboard CPU
	Front Side Bus	533/667 MHz
	Frequency	Depends on processor
	System Chipset	Intel 945GME + ICH7M
	BIOS	Award 4 Mb Flash ROM BIOS
Memory	Technology	DDRII 533/667 MHz SO-DIMM
	Max. Capacity	2 GB
	Socket	1 x 200-pin SODIMM
Display	Chipset	Intel 945GME
	VRAM	DVMT 4.0 supports up to 224 MB
	Graphics Engine	Mobile Intel GMA 950 3D/2D engine
	LVDS	1 x 48-bit LVDS
	VGA	CRT: up to 2048 x 1536 @ 32bpp (85 Hz)
Ethernet	Dual Display	CRT + LVDS
	Speed	10/100 Mbps
	Controller	Intel 82551QM 10/100 Mbps LAN Intel 82541PI 10/100/1000 Mbps Giga LAN (Optional)
Audio	Connector	RJ-45 on LAN
	Chipset	Realtek ALC888, High Definition Audio (HD), Line-in, Line out, Mic-in
WatchDog Timer		Output System reset Programmable 1 ~ 255 sec
Storage	CompactFlash	1
	SATA	1 (150 MB/s)
Rear I/O	Serial	1 (COM1 supports RS-232)
	Ethernet	1 (10/100 Mbps)
	KB/Mouse	1
	VGA	1
	USB	1
Internal I/O	USB	4 x USB 2.0
	Serial	1 x COM COM2 supports RS-232/422/485
	SMBUS	Supported
	KB/Mouse	1
	GPIO	8-bit GPIO
Expansion	MIO 160	1
Power	Power Type	AT/ATX
	Power Supply Voltage	5V + 5%, 12V + 5% (LCD)
	Power Consumption (Typical)	Typical: 4.64 A @ 5 V, 0.09 A @ 12 V (Core Duo 2.16 G/DDRII 533/512 MB)
	Power Consumption (Max, test in HCT)	MAX: 5.14 A @ 5 V, 0.15 A @ 12 V (Core Duo 2.16 G/DDRII 533/512 MB)
	Power Management	APM1.2, ACPI2.0, wake on LAN, and modem ring-in functions
	Battery	Lithium 3 V / 210 Mah
Environment	Operational	0 ~ 60° C (32 ~ 140° F)
	Non-Operational	Operating: 0 ~ 60° C (32 ~ 140° F) (Operating humidity: 40° C @ 85% RH non-condensing) Non-Operating: -40° C ~ 85° C and 60° C @ 95% RH non-condensing
Physical Characteristics	Dimensions (L x W)	146 x 102 mm (5.7" x 4")
	Weight	0.85 kg (1.87 lb), weight of total package

## Board Diagram



## Ordering Information

Part No.	CPU	CRT	LVDS	LAN	SATA	USB	RS-232	RS-232/422/485	CF	MIO	Power Supply	Thermal Solution	Operating Temp.
PCM-9382F-00A1E	Socket	1	1	1 FE	1	5	1	1	1	1	5 V/12 V	Active	0 ~ 60° C
PCM-9382F-S0A1E	1.06 GHz	1	1	1 FE	1	5	1	1	1	1	5 V or 5 V/12 V	Passive	0 ~ 60° C
PCM-9382FG-00A1E	Socket	1	1	1 GbE	1	5	1	1	1	1	5 V/12 V	Active	0 ~ 60° C

## Packing List

Part No.	Description	Quantity
	PCM-9382 SBC	
	Startup Manual	
	Utility CD	
1700006291	SATA cable	x 2
1700060202	KB/MS cable	x 1
1701140201	RS-232/422/485 cable	x 1
1703100152	Audio cable	x 1
1700006292	USB cable (2 ports)	x 1
1750001940	Cooler (Socket type CPU using)	x 1
1703150102	SATA Power cable	x 1

## Optional Accessories

Part No.	Description
MIO-6255-00A1E	MIO Module w/ 2 Cardbus
MIO-6260-00A1E	MIO Module w/ 2 COM, 4 USB, RoHS
1700016161	AT Power cable, 2 x 6P to 3 x 4P 10 cm
1700016141	AT power cable, 2 x 6P to 2 x 10P 10 cm

## Embedded OS

Embedded OS	Part No.	Description
Win XPE	2070001575	XPE FP2007 P4&PM-B (from 945) V3.0 ENG

