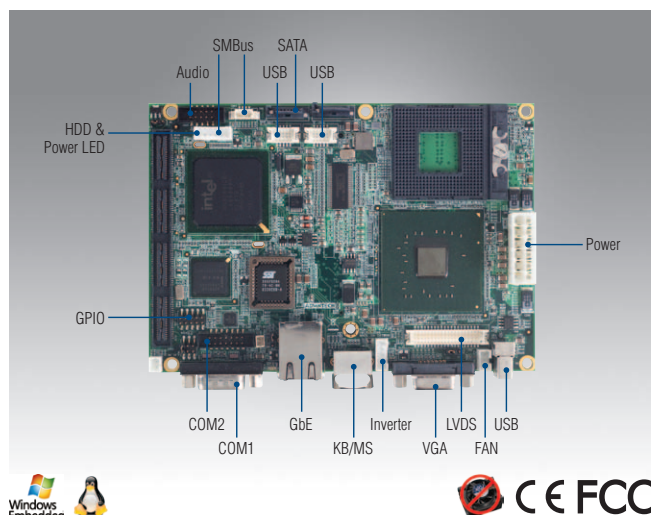


PCM-9382

**Intel® Core™2 Duo Processor 3.5" SBC,
VGA, LVDS, GbE, USB, SATA, SSD**



Features

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

Software APIs:



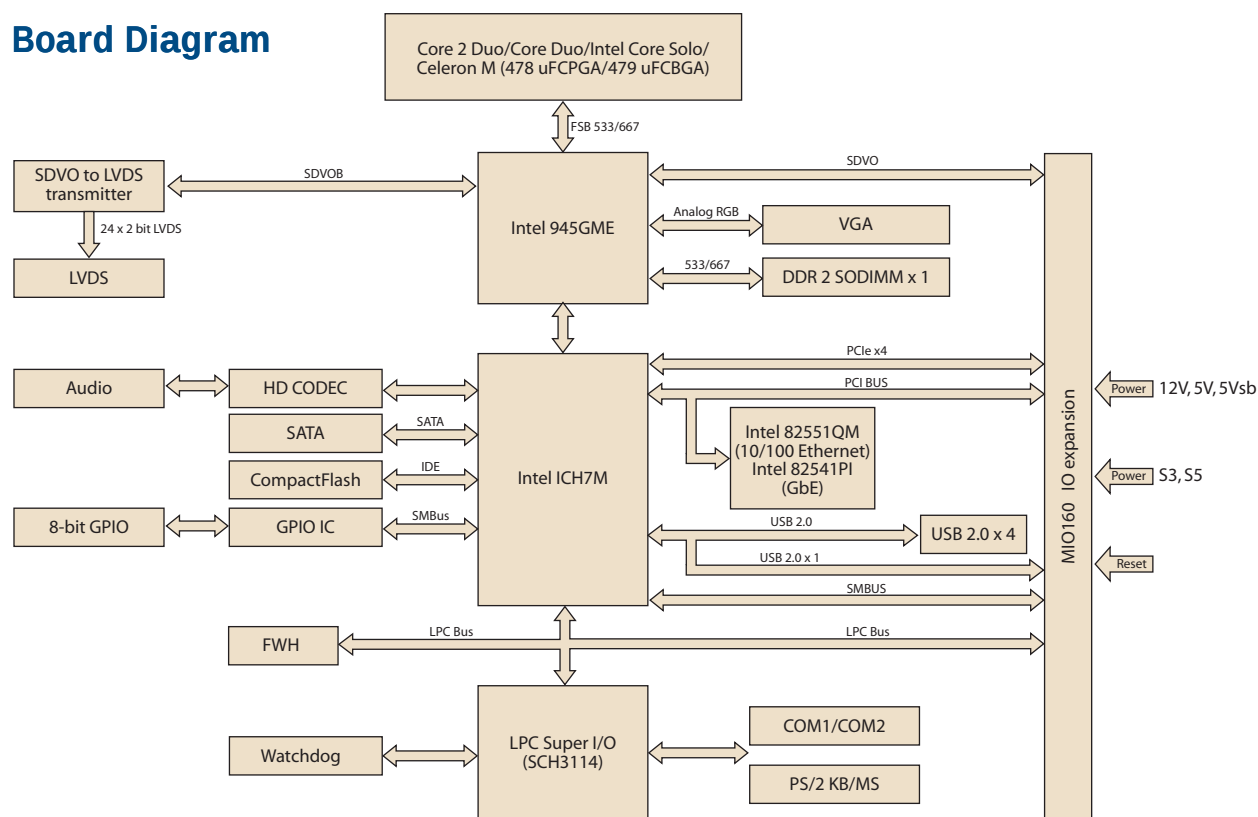
Utilities:



Specifications

Processor System	CPU	Intel Core 2 Duo/Core Duo/Core Solo FSB667 MHz socket 478 type, up to Intel Core 2 Duo T 7400
	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 LVDS (single channel 24-bit or dual channel 48-bit LVDS)
	VGA	VGA: up to 2048 x 1536 @ 32bpp (85 Hz)
Ethernet	Dual Display	VGA + LVDS
	Speed	10/100 Mbps (Supports Wake on LAN)
	Controller	Intel 82551QM 10/100 Mbps Ethernet
	Connector	Intel 82541PI 10/100/1000 Mbps GbE (Optional)
Audio	Chipset	Realtek ALC888, High Definition Audio (HD), Line-in, Line out, Mic-in
WatchDog Timer		Output System reset, Programmable counter from 1 ~ 255 minutes/ seconds
Storage	CompactFlash	1
	SATA	1 x SATA (Max. Data Transfer Rate 150 MB/s)
Rear I/O	Serial	1 (COM1 supports RS-232) (ESD protection for RS-232: Air gap ±15kV, Contact ±8kV)
	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 (ESD protection for RS-232: Air gap ±15kV, Contact ±8kV)
	SMBUS	COM2 supports RS-232/422/485 (Supports RS-485 auto flow control)
	PS/2 KB/Mouse	Supported
	GPIO	1
Expansion	MIO 160	8-bit GPIO
Power	Power Type	1
	Power Supply Voltage	AT/ATX
	Power Consumption (Typical)	5V + 5% (12V option for LCD, MIO I/O & CPU FAN)
	Power Consumption (Max, test in HCT)	Typical: 4.64 A @ 5 V, 0.09 A @ 12 V (Core Duo 2.16 G/DDRII 533/512 MB)
	Power Management	MAX: 5.14 A @ 5 V, 0.15 A @ 12 V (Core Duo 2.16 G/DDRII 533/512 MB)
Environment	Battery	APM1.2, ACPI2.0, wake on LAN, and modem ring-in functions
	Operational	Lithium 3 V / 210 Mah
Physical Characteristics	Non-Operational	0 ~ 60° C (32 ~ 140° F) (Operating humidity: 40° C @ 85% RH non-condensing)
	Dimensions (L x W)	-40° C ~ 85° C and 60° C @ 95% RH non-condensing
	Weight	146 x 102 mm (5.7" x 4")
	Total Height	0.85 kg (1.87 lb), weight of total package
		30.9mm for PCM-9382F-S0A1E
		44.1mm for PCM-9382F-00A1E, PCM-9382FG

Board Diagram



Ordering Information

Part No.	CPU	VGA	LVDS	Ethernet	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-9382EG-00A1F	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 30cm	2
1700006202	KB/MS cable 20cm	1
1701140201	RS-232/422/485 cable 20cm	1
1703100152	Audio cable 20cm	1
1700006292	USB cable (2 ports) 17cm	1
1750001940	Cooler (Socket type CPU using)	1
1703150102	SATA Power cable 10cm	1
1700000265	ATX power cable 10cm	1
9689000002	mini Jumper pack	1
1750001940	CPU+945GME cooler 101.6 x 79 x 31.8 cm, 12 V.PCM-9382F-00A1E, PCM-9382FG-00A1E only	1
1960011977T100	CPU+945GME heatsink 101.6 x 79 x 20.1 mm for PCM-9382F-S0A1E only	1
1960009814	ICH7M heatsink for PCM-9382, 30.6 x 30.6 x 9.8 mm	1

Optional Accessories

Part No.	Description
MIO-6250-00A1E	MI02.0 module w/ 3 10/100 Fast Ethernet (RTL8139)
MIO-6260-00A1E	MI02.0 IO module w/2 COM, 4 USB
MIO-6260L-00A1E	MI02.0 IO module w/2 COM, 4 USB, 1 10/100 Ethernet
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
Linux		Ubuntu V8.10

Rear I/O view

