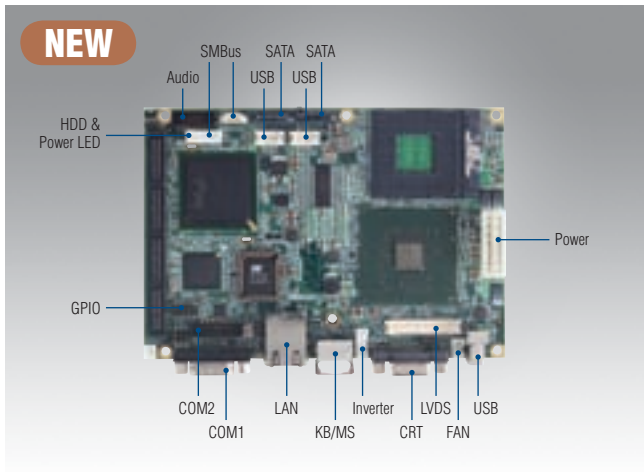


PCM-9382

3.5" Biscuit with Intel® Core™ Duo /
VGA, LVDS, LAN, USB, 2 SATA, SSD



Features

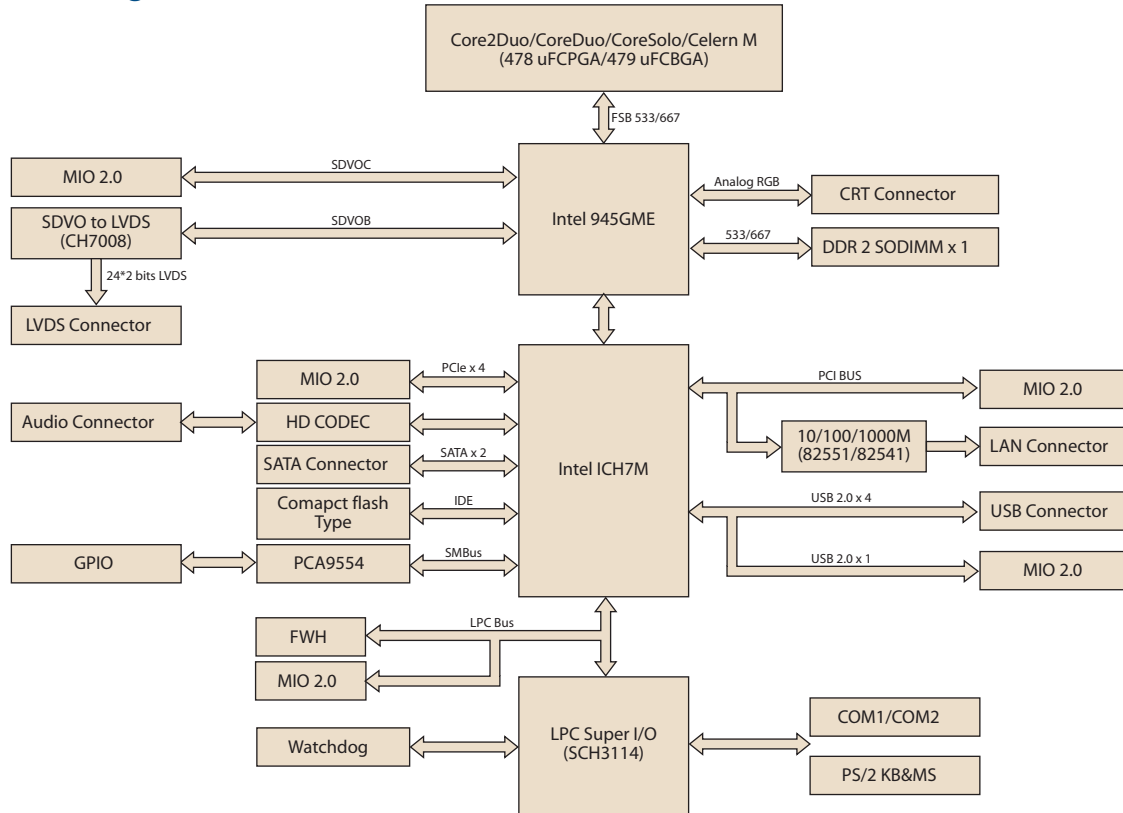
- Embedded Intel Core 2 Duo / Core Duo LV / ULV Processor
- DDR2 Memory support
- Dual-channel 24-bit LVDS
- HD Audio
- Five USB 2.0 port and two SATA II
- SMBus & SUSI



Specifications

Processor System	CPU	Embedded Intel Core Duo LV 1.66 GHz, Celeron M ULV 1.06 GHz, Socket 478 up to 2.16 GHz
	Front Side Bus	533 / 667 MHz
	L2 Cache	1 MB to 2 MB (depending on CPU type)
	Chipset	Intel 945GM
	BIOS	Award 4 Mbit
Memory	Technology	DDR2 533/667 MHz
	Max. Capacity	1 GB
	Socket	1 x 200-pin SODIMM
SSD	CompactFlash	Card Type I
Rear I/O	VGA	1
	COM	1
	RJ-45	1
	USB	1
	K/B, Mouse	1
I/O Interface	RS-232	1
	RS-232/422/485	1
	K/B	1
	Mouse	1
	USB	5 x USB 2.0
	Audio	High Definition Audio (HD), Lin-in, Lin-out, Mic-in
	GPIO	8-bit general purpose Input/Output
SATA	Max. Data Transfer Rate	300 MB/s
	Channel	2
Expansion Slot	MIO 160	1
Ethernet	Speed	10/100Mbps 10/100/1000Mbps (optional)
	Controller	Intel 82551QM (with wake on LAN) Intel 82541PI (Gigabit)
	Interface	1 x RJ-45
Display	Controller	Intel 945GM
	VRAM	Optimized Shared Memory Architecture up to 224 MB system memory
	TTL LCD	Optional, supported by PCM-3540R module
	LVDS LCD	1 x 48-bit LVDS LCD Panel
Environment	Operation Temperature	0 ~ 60° C (32 ~ 140° F)
	Operating Humidity	10% ~ 90% relative humidity, non-condensing
Power	Power Type	AT / ATX
	Power Supply Voltage	+5 V ±5%, +5V Standby, +12 V ±5%; or single +5 V power
	Power Consumption	Typical: +5 V @ 4.64 A, +12 V @ 0.09 A Max. : +5 V @ 5.14 A, +12 V @ 0.16 A
	Power Management	APM1.2, ACPI2.0, wake on LAN, and modem ring-in functions
	Battery	Lithium 3 V / 210 mAH
Watchdog Timer	Output	System reset
	Interval	Programmable 1 ~ 255 sec
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	RS232	RS232/422/485	CF	MIO	Power Supply
PCM-9382F-00A1E	Socket	1	1	10/100	2	5	1	1	1	1	5 V/12 V
PCM-9382F-S0A1E	1.06 GHz	1	1	10/100	2	5	1	1	1	1	5 V or 5 V/12 V
PCM-9382FG-00A1E	Socket	1	1	10/100/1000	2	5	1	1	1	1	5 V/12 V

Optional Accessories

Part No.	Description
MIO-6255	MIO module w/ 2 x Cardbus
MIO-6260	MIO module w/ 4 x USB, 2 x COM, 1 x LAN

Packing List

Part No.	Description	Quantity
	PCM-9382 SBC	1
9689000002	Mini Jumper Pack	1
	Startup Manual	1
	Utility CD	1
1703100152	Audio Cable	1
1700071000	SATA cable	2
1700003151	USB 2.0 port Cable	1
1700060202	Keyboard/Mouse Cable	1
1701140201	Second Serial Port Cable	1
1700000265	ATX Power Cable 20P-12P Cable	1
1700260250	Parallel Port Cable	1
1750001940	Cooler (PCM-9382F-00A1E)	1

Computer On Modules	1
Embedded Single Board Computers	2
Compact Embedded Computers	3
Pre-configured Systems	4
Industrial Motherboards	5
Slot Single Board Computers	6
Industrial Computer Chassis	7
Industrial Computer Peripherals	8
Panel PCs	9
Display Solutions	10
Digital Video Solutions	11
Vehicle Mounted Computers	12
Portable Computers	13
M2M Modules	14
Embedded Software Services	15