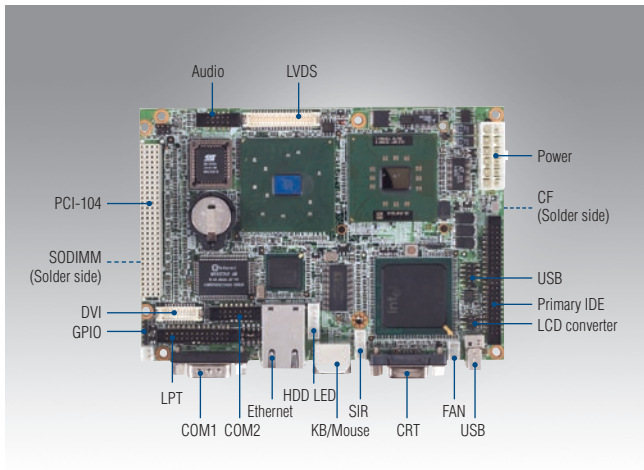


PCM-9381

3.5" SBC with Intel® Pentium® M,
VGA, LVDS, DVI, LAN, USB



Features

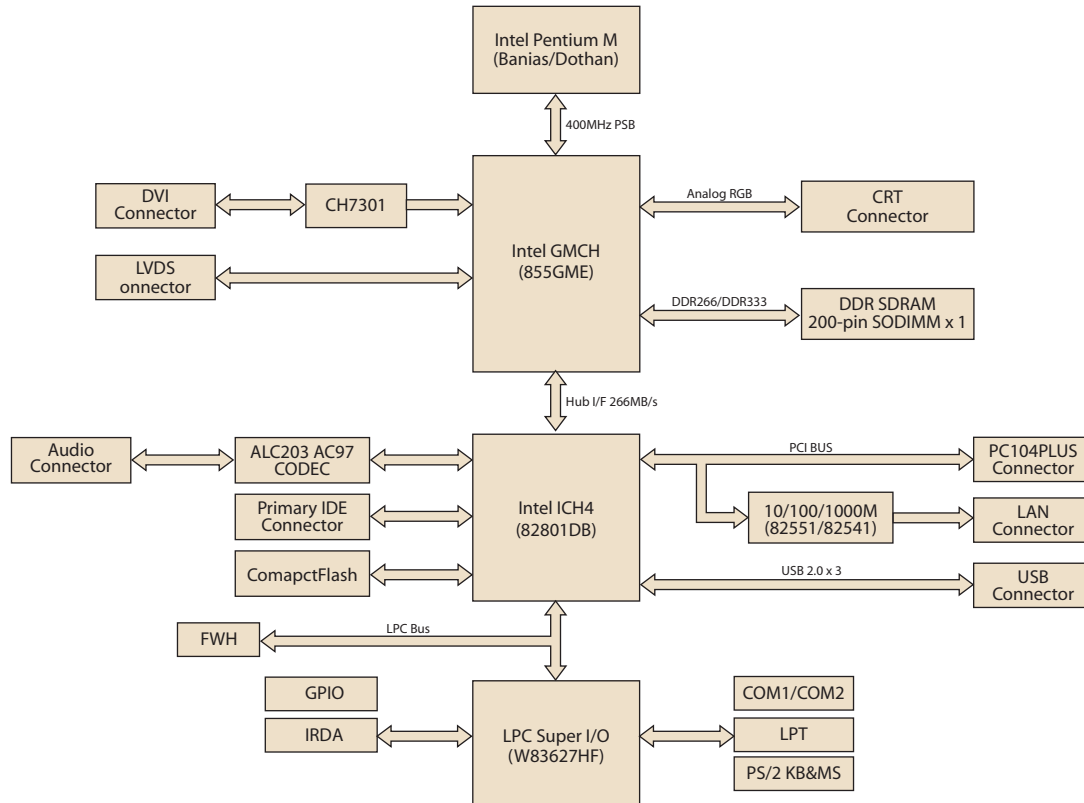
- Embedded Intel® Pentium® M/Celeron® M Processor
- 1000BASE-T Ethernet (Optional)
- 2-channel two x18-bit LVDS LCD display (two x 24-bit optional)
- Three USB 2.0 ports
- Intel Speed Stepping (GV3) Technology
- +5 V and +12 V power; or single +5 V power



Specifications

Processor System	CPU	Embedded Intel Pentium M /LV/ULV/Celeron M Processor, Celeron M 600 MHz, Celeron M 1.0 GHz
	Front Side Bus	400 MHz
	L2 Cache	512 KB to 2 MB (depending on CPU type)
	Chipset	Intel 855GME + ICH4
	BIOS	Award 4 Mbit
Memory	Technology	DDR 200/266/333 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	LPT	1
	RS-232	1
	RS-232/422/485	1
	K/B	1
	Mouse	1
	USB	3 x USB 2.0
	Audio	AC97, Lin-in, Lin-out, Mic-in
	IrDA	115 kbps, SIR, IrDA 1.0 complaint (optional)
	GPIO	4-bit general purpose Input/Output
SMBus	Supported	
EIDE	Mode	UDMA 33
	Channel	1
Expansion Slot	PCI-104	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 855GME/GMCH
	VRAM	Optimized Shared Memory Architecture up to 64 MB system memory
	LVDS LCD	1 x 36-bit LVDS (48-bit optional)
Environment	Dual Independent Display	CRT + LVDS, CRT + DVI, LVDS + DVI
	Operation Temperature	0 ~ 60° C (32 ~ 140° F)
Power	Operating Humidity	10% ~ 90% relative humidity, non-condensing
	Power Type	AT / ATX
	Power Supply Voltage	+5 V ±5%, +12 V ±5%; or supports single +5 V power
	Power Consumption	Typical: +5 V @ 3.0 A, +12 V @ 0.04 A Max. : +5 V @ 4.26 A, +12 V @ 0.13 A
	Power Management	APM1.2, ACPI2.0, wake on LAN, and modem ring-in functions
Watchdog Timer	Battery	Lithium 3 V / 196 mAH
	Output	System reset
Physical Characteristics	Interval	Programmable 1 ~ 255 sec
	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	DVI	10/100	Giga	USB	RS-232	RS-232/422/485	LPT	GPIO	IrDA	CF	PCI-104
PCM-9381F-00A2E	Socket	1	1	1	1	-	3	1	1	1	2 in, 2 out	optional	1	1
PCM-9381F-M0A2E	Celeron M 600 MHz	1	1	1	1	optional	3	1	1	1	2 in, 2 out	optional	1	1
PCM-9381F-S0A2E	Celeron M 1 GHz (373)	1	1	1	1	optional	3	1	1	1	2 in, 2 out	optional	1	1

Packing List

Part No.	Description	Quantity
	PCM-9381 SBC	1
9689000002	Mini Jumper Pack	1
	Startup Manual	1
	Utility CD	1
1703100152	Audio Cable	1
1701440351	IDE 44 pin	1
1703100121	USB 2 port Cable	1
1700260250	Parallel Port Cable	1
1700060202	Keyboard/Mouse Cable	1
1701140201	Second Serial Port Cable	1
1700000265	ATX Power Cable 20P-12P Cable	1

Optional

Part No.	Description
1700000410	CABLE DVI-26P/DF13-20-pin 20 cm
1700002595	cabl 10-pin-1.27mm/4-pin-1.25 mm 20 cm for PCM-9381/9387
1700002532	FLAT cabl 14-pin / 5-pin for internal COM1 RS232 20 cm

Embedded OS

Part No.	Description
2070000584	Win CE 4.2 P-M Core Image, PCM-938x, 2 COM, English, V 1.10 (17.2 MB) (Optional)
2070000585	Win CE 4.2 P-M Pro Image, PCM-938x, 2 COM, English, V 1.10 (29.1 MB) (Optional)
2070000586	Win CE 4.2 P-M Plus Image, PCM-938x, 2 COM, English, V 1.10 (29.9 MB) (Optional)
2070000765	Image CE 5.0 Pro Plus EN for P-M with 2COM
2070000605	Win XPE SP2 Image, PCM-938x, English, V2.10 (440 MB) (Optional)
2066002300	CD SUSI Library V1.0