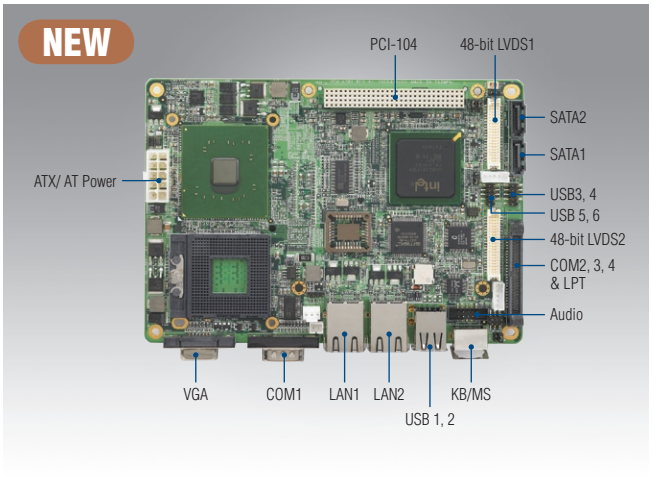
PCM-4381

Intel® Pentium® M EPIC SBC with VGA/ 2 LVDS/ Dual Giga LAN



Features

- Intel® Celeron® M processor on board/ Socket type
- One SODIMM up to 2 GB DDR2 400 MHz or 400/533 MHz
- Display Combination: 48-bit LVDS + 48-bit LVDS, CRT + 48-bit LVDS
- Dual 10/100/1000 Mbps Ethernet
- Supports ATX / AT power modes
- AC97 Audio on board
- PCI-104 bus
- 16-bit GPIO, 4 COM (Supports Auto flow control), 2 SATA, 6 USB 2.0 ports

RoHS COMPLIANT 2002/95/EC · Windows Embedded · CE FCC

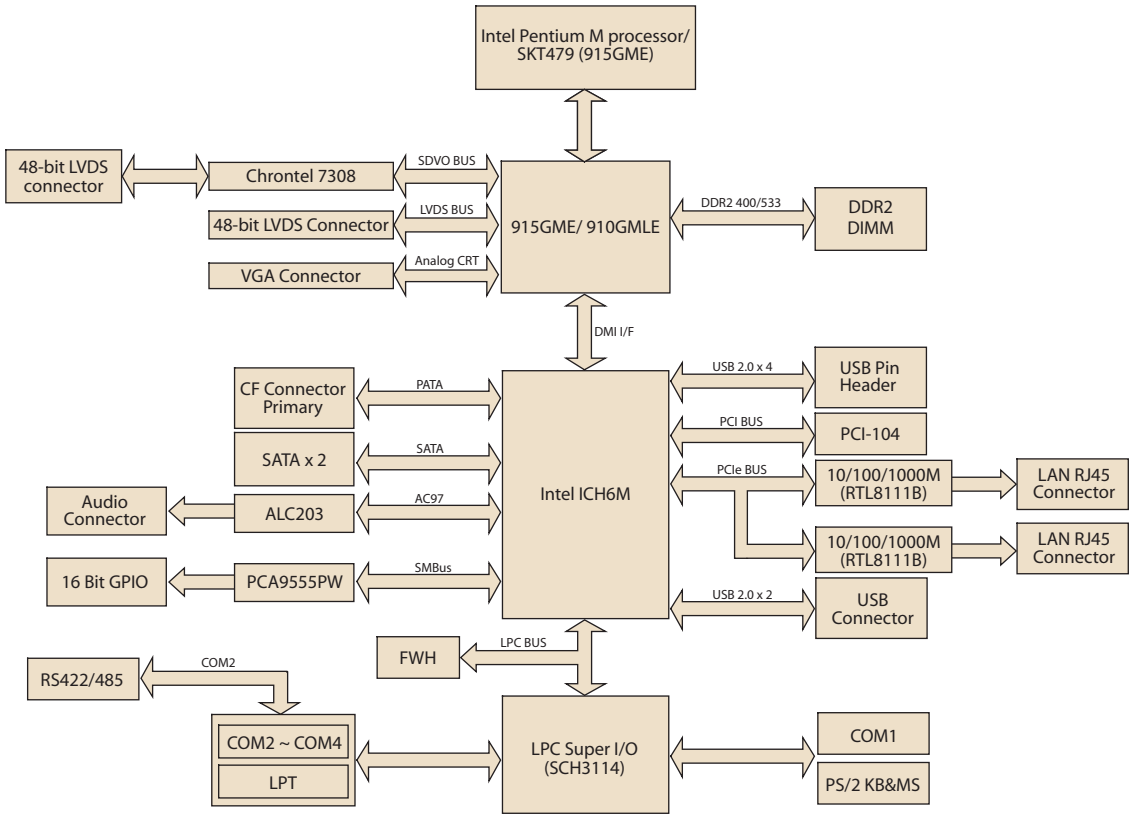
Specifications

Processor System	CPU	Celeron M 600 MHz	Celeron M 1.0 GHz	Pentiun M Socket type 479
	Front Side Bus	400 MHz	400 MHz	400/533 MHz
	L2 Cache	512 KB	0 KB	depend on CPU
	Chipset	Intel 910GMLE + ICH6M	Intel 910GMLE + ICH6M	Intel 915GME + ICH6M
	BIOS	Award 4-Mbit	Award 4-Mbit	Award 4-Mbit
Memory	Technology	DDR2 400 (910GMLE), 400/533 (915GME)		
	Max. Capacity	2 GB		
	Socket	1 x 200-pin SODIMM		
SSD	CompactFlash	Card Type I, Type II		
Coastline I/O	VGA	1		
	COM	1		
	LAN	2		
	USB	2		
	KB/MS	1		
I/O Interface	LPT	1		
	RS-232	2		
	RS-232/422/485	1		
	USB	4 x USB 2.0		
	Audio	AC97, Line-in, Line-out, Mic-in		
	GPIO	16-bit general purpose input/output		
SATA	Max. Data Transfer Rate	150 MB/s		
	Channel	2		
Expansion Slot	PCI-104	1		
Ethernet	Speed	10/100/1000 Mbps		
	Controller	2 x Realtek RTL8111B-GR		
	Interface	2 x RJ-45		
Display	Controller	Intel 910GMLE/915GME		
	VRAM	Optimized Shared Memory Architecture up to 128 MB system memory		
	LVDS LCD	1 x 48-bit LVDS1, 1 x 48-bit LVDS2 (optional)		
	Dual Independent Display	CRT + LVDS, LVDS + LVDS		
Environment	Operating Temperature	0 ~ 60° C (32 ~ 140° F), Z : -20 ~ 80° C (-4 ~ 176° F) (Optional)		
	Operating Humidity	0% ~ 90% relative humidity, non-condensing		
Power	Power Type	AT / ATX		
	Power Supply Voltage	ATX: +5 V ± 5%, ±12 V ± 5% AT: 5 V only to boot up, 12 V optional for LCD Inverter		
	Power Consumption Typical (XP)	5 V:2.59 A (C-M M 1G with DDR2 400 256 MB)		
	Power Consumption Max, Test in HCT	5 V:3.22 A (C-M M 1G with DDR2 400 256 MB)		
	Power Management	APM, ACPI		
	Battery	Lithium 3 V / 196 mAH		
Watchdog Timer	Output	System reset		
	Interval	Programmable 1 ~ 255 sec		
Physical Characteristics	Dimensions (L x W)	115 x 165 mm (4.5" x 6.5")		
	Weight	0.35 kg (0.77 lb) (with Heatsink)		

All product specifications are subject to change without notice

Last updated : 06-June-2009

Board Diagram



Ordering Information

Number	CPU	L2 cache	Chipset	Memory	Giga LAN	LVDS1	LVDS2	VGA	USB 2.0	COM	GPIO	LPT	CF	SATA	Audio	PCI-104	Operating Temp.	Thermal Solution
PCM-4381L-M0A1E	Celeron M 600 MHz	512 KB	910 GMLE	DIMM	1	48-bit	-	1	6	4 ports	16	1	Yes	2	Yes	Yes	0 ~ 60° C	Passive
PCM-4381F-S0A1E	Celeron M 1.0 GHz	0 KB	910 GMLE	DIMM	2	48-bit	48-bit	1	6	4 ports	16	1	Yes	2	Yes	Yes	0 ~ 60° C	Passive
PCM-4381F-00A1E	SKT 479	-	915GME	DIMM	2	48-bit	48-bit	1	6	4 ports	16	1	Yes	2	Yes	Yes	0 ~ 60° C	Active
PCM-4381Z-1GS0A1E	Celeron M 1 GHz	0 KB	910 GMLE	1G bundle	2	48-bit	48-bit	1	6	4 ports	16	1	Yes	2	Yes	Yes	-20 ~ 80° C	Passive
PCM-4381Z2-1GS0A1E	Celeron M 1 GHz	0 KB	910 GMLE	1G bundle	2	48-bit	48-bit	1	6	4 ports	16	1	Yes	2	Yes	Yes	-40 ~ 85° C	Passive

Note: For wide temperature, please contact sales rep.

Optional Accessories

Part No.	Description
PCM-410C-00A1E	COM/LPT daughter board for EPIC
1700090301	COM2 RS-422/485 D-Sub 9P to 4P cable, 30 cm

Packing List

Part No.	Description	Quantity
	PCM-4381 SBC	1
9689000002	Mini Jumper Pack	1
	Startup Manual	1
	Utility CD	1
1700002034	3 COM ports and LPT cable	1
1700002055	ATX power cable	1
1700060202	6P-6P-6P PS/2 KB/MS	1
1700004891	USB cable 2 port/20-pin	1
1700001267	USB CABLE 2 port/10-pin	1
1700003931	AT power cable	1
1700008894	SATA Cable 7P/7P 30 cm	2
1700008902	Audio Cable 10P 2.0 mm 15 cm	1