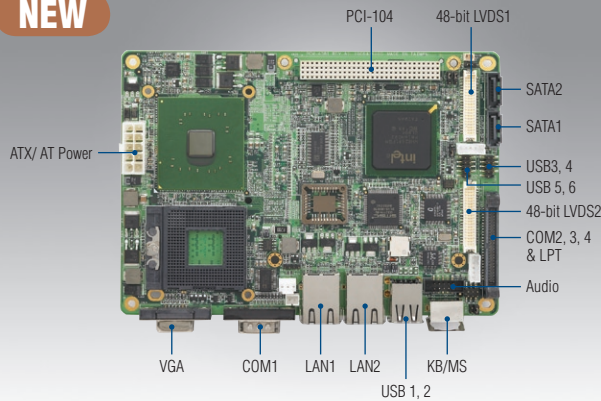


PCM-4381

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

NEW



Features

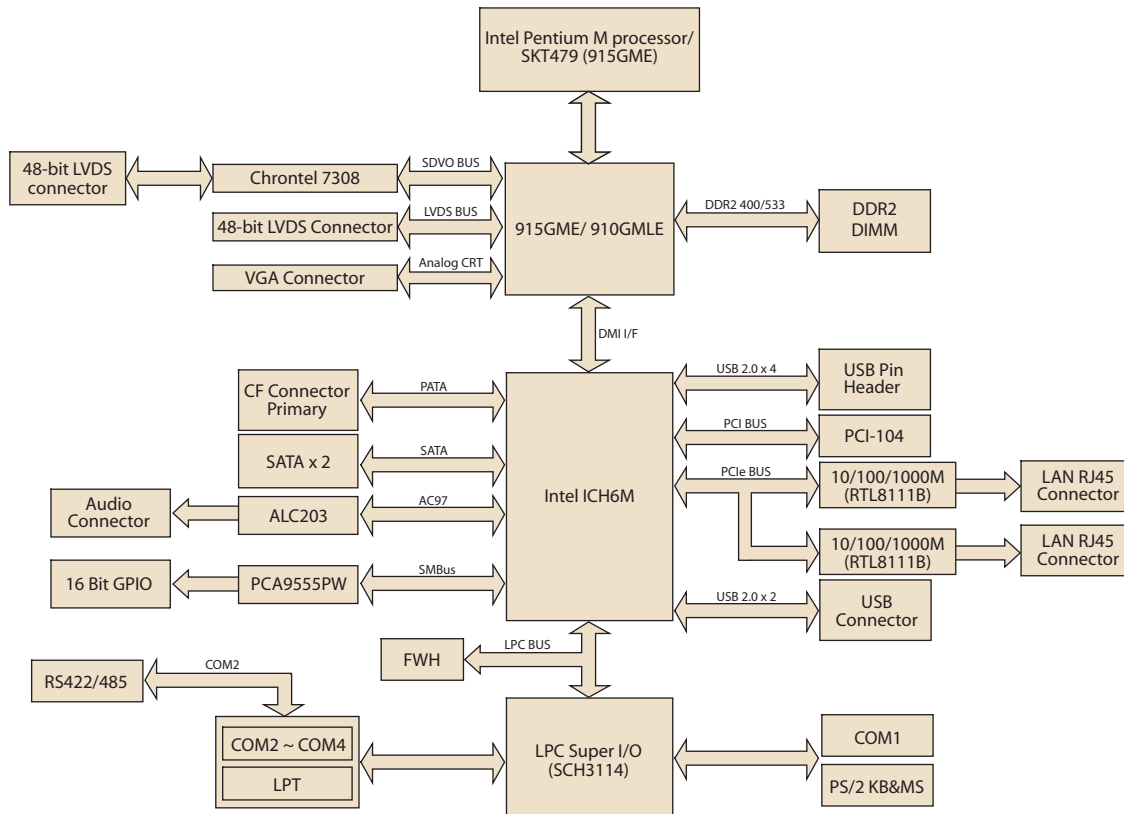
- Intel® Celeron® M processor on board/ Socket type
- One SODIMM up to 2 GB DDR2 400 MHz or 400/533 MHz
- Display Combination: 48-bit LVDS + 48-bit LVDS, CRT + 48-bit LVDS
- Dual 10/100/1000 Mbps Ethernet
- Supports ATX / AT power modes
- AC97 Audio on board
- PCI-104 bus
- 16-bit GPIO, 4 COM (Supports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



Specifications

Processor System	CPU	Celeron M 600 MHz	Celeron M 1.0 GHz	Pentium 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 910GML + ICH6M	Intel 910GML + ICH6M	Intel 915GME + ICH6M
	BIOS	Award 4-Mbit	Award 4-Mbit	Award 4-Mbit
Memory	Technology	DDR2 400 (910GML), 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 910GML/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)		

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