

# PCM-4381

Intel® Pentium® M EPIC SBC with  
VGA/2 LVDS/ 2 Ethernet/ 4 COM/  
2 SATA/ 6 USB2.0/ 16bit GPIO

Coming Soon



## Features

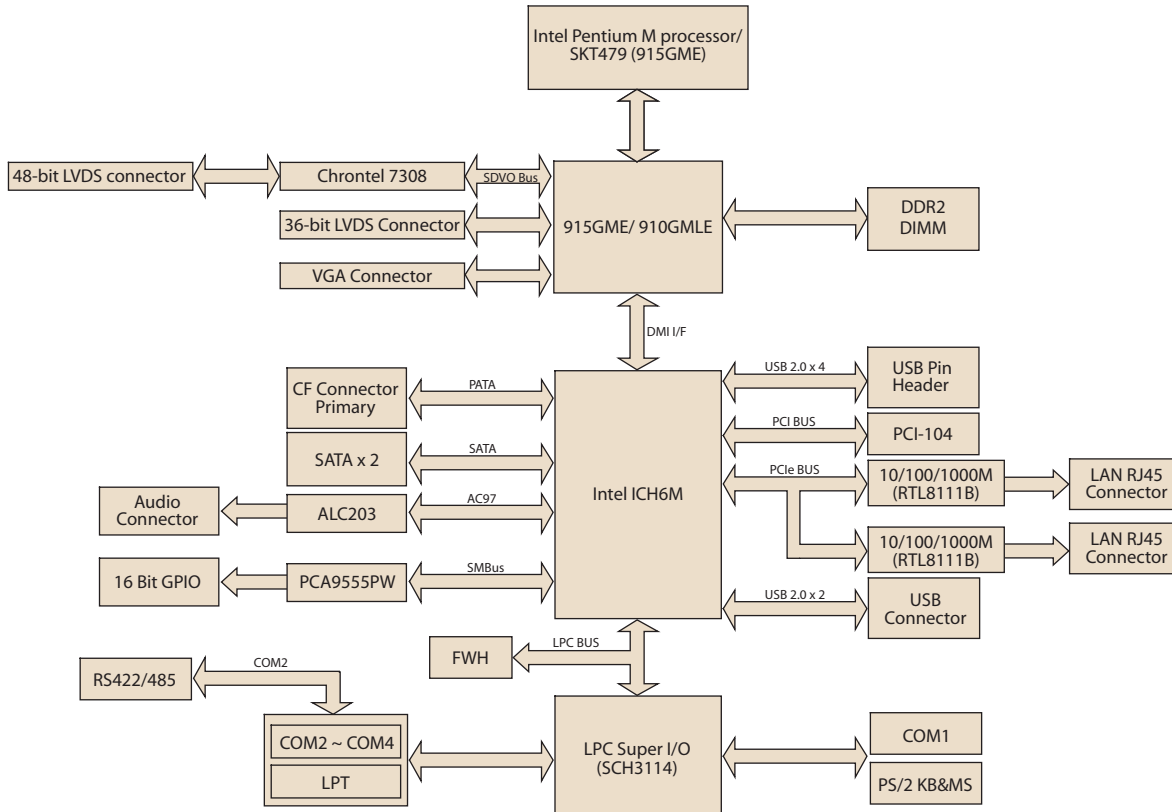
- EPIC form factor (115 mm x 165 mm)
- Intel® Celeron® M Processor on board/ Socket type
- Fanless CPU on board design
- One SODIMM up to 2GB DDR2 400 MHz (910GMLE); 400/533 MHz (915GME)
- Display Combination: 36-bit LVDS+ 48bit LVDS, CRT + 36-bit LVDS, CRT+ 48-bit LVDS
- Dual 10/100/1000 Mbps Ethernet
- Supports ATX/ AT power modes
- AC97 Audio on board
- PCI-104 bus
- 16-bit GPIO, 4 COM, 2 SATA, 6 USB 2.0



## Specifications

Processor System	CPU	Intel Celeron M 600 MHz/ 1.0 GHz (910GMLE) Socket type (915GME)
	Front Side Bus	400 MHz(910GMLE), 400/533 MHz(915GME)
	L2 Cache	512 KB/ 0 KB (CPU onboard version)
	Chipset	Intel 910GMLE, 915GME + ICH6M
	BIOS	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
I/O Interface	LPT	1
	RS-232	3
	RS-232/422/485	1
	K/B	1
	Mouse	1
	USB	6 x USB 2.0
	Audio	AC97, Line-in, Line-out, Mic-in
SATA	Max. Data Transfer Rate	150
	Channel	2
Expansion Slot	PCI-104	1
Ethernet	Speed	10/100/1000Mbps
	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 36-bit LVDS1, 1 x 48-bit LVDS2 (optional)
	Dual Independent Display	CRT + LVDS, LVDS + LVDS
Environment	Operation Temperature	0 ~ 60° C (32 ~ 140° F)
	Operating Humidity	0% ~ 90% relative humidity, non-condensing
Power	Power Type	AT / ATX
	Power Supply Voltage	ATX: +5 V ± 5%, ±12 V ± 5% AT: 5V only to boot up, 12V option for LCD Inverter
	Power Management	APM, ACPI
	Battery	Lithium 3 V / 196 mA
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	Giga LAN	LVDS	VGA	USB 2.0	COM	GPIO	LPT	CF	SATA II	Audio	PCI-104	Operation Temp.	Thermal Solution
PCM-4381L-M0A1E	Celeron M 600 MHz	512K	910 GMLE	1	2 channel 36-bit	1	6	4 ports	16	1	Yes	2	Yes	Yes	0 ~ 60° C	Passive
PCM-4381F-S0A1E	Celeron M 1.0 GHz	0	910 GMLE	2	2 channel 36/48-bit	1	6	4 ports	16	1	Yes	2	Yes	Yes	0 ~ 60° C	Passive
PCM-4381F-00A1E	SKT 479	CPU	915GME	2	2 channel 36/48-bit	1	6	4 ports	16	1	Yes	2	Yes	Yes	0 ~ 60° C	Active

### 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 and LPT cable	1
1700002055	ATX power cable	1
1700060202	6P-6P-6P PS/2 KB/MS	1
1700004891	USB cable 2 port/20pin	1
1700001267	USB CABLE 2 port/10pin	1
1700003931	AT power cable	1
1700071000	SATA Cable	2
1703100152	Audio Cable	1

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