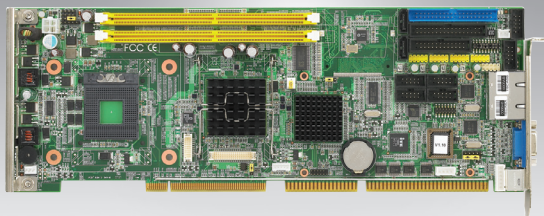


# PCA-6008

Socket 479 Pentium® M SBC with  
VGA/DVI/Dual GbE



## Features

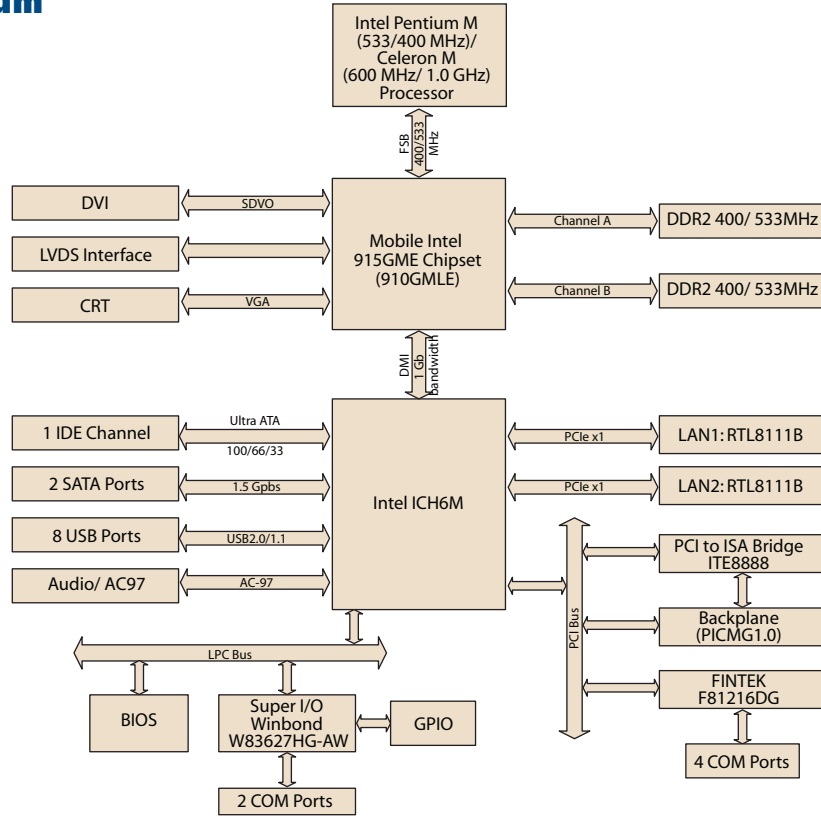
- Supports socket 479 Intel® Pentium® M/Celeron® M FSB 533 MHz processors
- Supports Dual Channel DDR2 533/400 SDRAM up to 2 GB
- Dual Gigabit Ethernet via two PCIe x1 ports
- 6 COM ports, 2 SATA ports, 8 USB ports
- Supports CF socket



## Specifications

Processor System	CPU	Intel Pentium M	Celeron M	Celeron M	Celeron M	
	Max. Speed	2.26 GHz	1.7 GHz	600 MHz onboard (PCA-6008VG-06A1E only)	1.0 GHz onboard (PCA-6008VG-10A1E only)	
	L2 Cache	512 KB, 1 MB, 2 MB		512 KB	512 KB	
	Chipset	Intel 915GME + ICH6M		910GML + ICH6M	910GML + ICH6M	
	BIOS	Award 4 Mbit FWH				
	Front Side Bus	533/400 MHz		400 MHz	400 MHz	
Bus	PCI	32-bit/33 MHz PCI				
	ISA	HISA (ISA High Driver)				
Memory	Technology	Dual-channel DDR2 533/400 MHz DIMMs				
	Max. Capacity	2 GB				
	Socket	240-pin DIMM x 2				
Graphics	Controller	Intel Graphics Media Accelerator 900				
	VRAM	Shared with system memory up to 128 MB				
	LVDS	Single channel 18-bit/Dual channel 36-bit LVDS				
	Video Output	15-pin CRT connector x1/(optional DVI connector)				
Ethernet	Interface	10/100/1000 Mbps				
	Controller	RTL8111B				
	Connector	RJ-45 with LED connector x 2				
EIDE	Mode	ATA 100/66/33				
	Channel	1 (supports up to 2 IDE devices, master is occupied when a CF card is installed)				
SATA (150MB/s)	Ports	2 ports				
	USB	8 ports by pin header (USB 2.0/1.1 compliant)		4 ports by pin header (USB 2.0/1.1 compliant)		
I/O Interface	Serial	5 (RS-232)/1 (RS-232/RS-422/RS-485) with pin header		1 (RS-232)/1 (RS-232/RS-422/RS-485) with pin header		
	Parallel	1 (EPP/ECP/SPP)				
	FDD	1				
	PS/2	1 (for mouse and keyboard, Y-cable included)				
	Watchdog Timer	Output	Interrupt, System reset			
Miscellaneous	Interval	Programmable 1-255 sec/min				
	Audio Output	AC97 audio interface (requires an audio extension module P/N: PCA-AUDIO-00A1E)				
Power Requirement	Configuration 1: Pentium M processor 780 (2.26 GHz/27 W) + DDR2 2 GB					
	+12 V	+5 V	+3.3 V	+5 VSB	-12 V	-5 V
	3.09 A	4.26 A	0 A	0.42 A	0 A	0 A
	Configuration 2: Celeron M processor 600 MHz/7 W + DDR2 2 GB					
	+12 V	+5 V	+3.3 V	+5 VSB	-12 V	-5 V
	0.56 A	3.66 A	0 A	0.07 A	0 A	0 A
Environment	Temperature	Operating		Non-Operating (Storage)		
		0 ~ 60° C (32 ~ 140° F) (operation humidity: 40° C @ 85% RH Non-Condensing)		-40° C ~ 85° C and 60° C @ 95% RH Non-Condensing		
Physical	Dimensions	338 mm (L) x 122 mm (W) (13.3" x 4.8")				

## Board Diagram



## Order Information

Part Number	CPU	North Bridge	LVDS	DVI	VGA	Gigabit LAN	USB	COM	CF
PCA-6008G2-00A1E	Socket	915GME	Yes	Yes	Yes	Dual	8	6	Yes
PCA-6008VG-06A1E	Celeron M 600M/512	910GMLE	-	-	Yes	Single	4	2	Yes
PCA-6008VG-10A1E	Celeron M 1.0G/512	910GMLE	-	-	Yes	Single	4	2	Yes

## Bracket View



PCA-6008G2-00A1E



PCA-6008VG-06A1E  
PCA-6008VG-10A1E

## Accessories

Part number	Description
1700008822	DVI cable
PCA-AUDIO-00A1E	Audio extension module
1701090401	Single COM Cable Kit

## Packing List

Part number	Description	Quantity
1700340640	FDD cable	x 1
1701400452	IDE HDD cable	x 1
1700003194	Serial ATA HDD data cable	x 2
1703150102	Serial ATA HDD power cable	x 2
170304015K	ATX 12V power converter cable	x 1
1701260305	Printer + COM cable	x 1
1700060202	Y cable for PS/2 mouse & keyboard	x 1
1700008461	USB cable with 4 ports	x 1
1701092300	Dual COM port cable kit	x 1
1750000246	CPU cooler for Socket 479 (G2 version only)	x 1
9689000068	Jumper pack	x 1
-	Startup manual	x 1
-	Utility CD	x 1