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With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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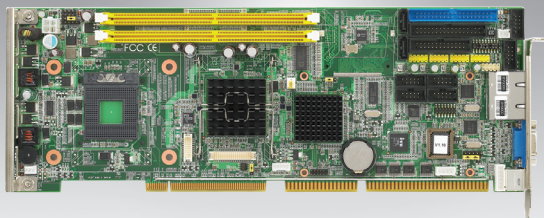
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PCA-6008

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



Features

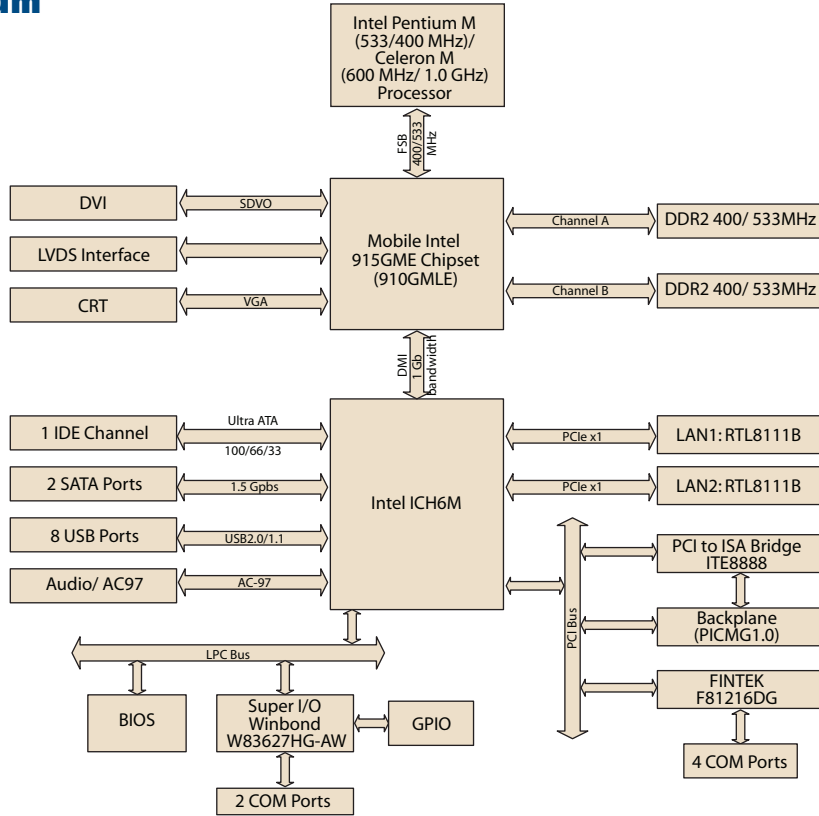
- Supports socket 479 Intel® Pentium® M/Celeron® M FSB 533 MHz processors
- Supports Dual Channel DDR2 533/400 SDRAM up to 2 GB
- Dual Gigabit Ethernet via two PCIe x1 ports
- 6 COM ports, 2 SATA ports, 8 USB ports
- Supports CF socket



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