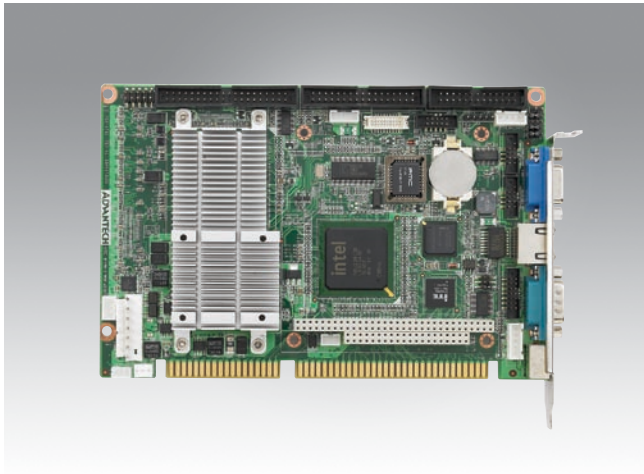


PCA-6781

ISA Half-sized SBC, ULV Celeron® M,
VGA/LVDS/LAN/CFC/USB 2.0



Features

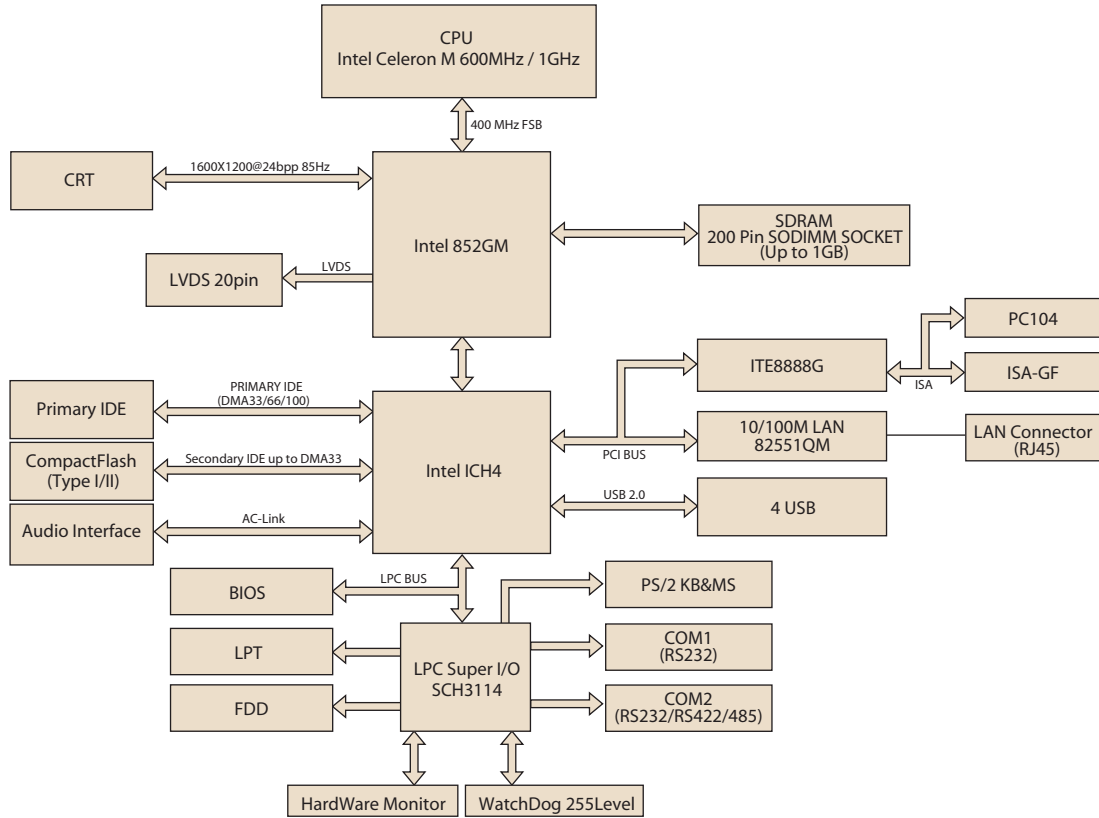
- Intel® Celeron® M CPU 852GM+ICH4 Chipsets
- 200 pin SODIMM socket DDR 200/266 MHz SDRAM up to 1 GB
- 10/100 Base-T Ethernet
- Low power consumption and fanless



Specifications

Processor System	CPU	Intel Celeron M (on board CPU type)	
	Max. Speed	600 MHz	1 GHz
	L2 Cache	512 KB	0 KB
	Chipset	Intel 852GM + ICH4	
Bus	BIOS	Award 4M bits FWH	
	Front Side Bus	400 MHz	
	PCI	N/A	
	ISA	16-bit/ Gold Finger	
Memory	Technology	DDR 200/266 MHz SDRAM SODIMM	
	Max. Capacity	1 GB	
	Socket	200-pin SO-DIMM x 1	
Graphics	Controller	Chipset integrated VGA controller VGA mode: 1600 x 1200 @ 85 Hz; and up to 1920 x 1440 @ 60 Hz LCD mode: 1440 x 1050 @ 60 Hz	
	VRAM	Shared with system memory up to 64MB	
	LVDS	Dual-channel 36-bit LVDS	
	TTL	N/A	
	Dual Display	CRT+LVDS	
Ethernet	Interface	10/100Base-T	
	Controller	Intel 82551QM (FE)	
	Connector	RJ-45*1	
EIDE	Mode	ATA 100/66/33	
	Channel	2	
SATA (150MB/s)	Ports	-	
I/O Interface	USB	4 (USB 2.0)	
	Serial	1 (RS-232) / 1 (RS-232/RS-422/RS-485)	
	Parallel	1	
	FDD	1	
	PS/2	1 (for mouse and Keyboard, Y cable included)	
Watchdog Timer	Output	Interrupt, system reset	
	Interval	255 level timer interval	
Miscellaneous	Audio Output	AC97 Audio interface (requires an audio extension module P/N: PCM-231A-00A1E)	
	Solid State Disk	Compact Flash socket (Type I/II), shared with secondary IDE	
Power Requirement	Typical	Intel Celeron M 1GHZ,DDR333 1GB	
	Max	+12 V (0.01A)	+5 V (2.02A)
		+12 V (0.01A)	+5 V (1.52A)
Environment	Temperature	Operating	Non-Operating
		0 ~ 60° C	- 20 ~ 70° C
Physical	Dimensions	185 mm (L) x 122 mm (W) (7.3" x 4.8")	

Board Diagram



Ordering Information

P/N	CPU	FE LAN
PCA-6781VE-M0A1E	Celeron M 600 MHz	Intel 82551QM X1
PCA-6781VE-S0A1E	Celeron M 1 GHz	Intel 82551QM X1
PCA-6781LV-M0A1E	Celeron M 600 MHz	-

Bracket View



PCA-6781VE-M0A1E
PCA-6781VE-S0A1E

Packing List

Part Number	Description	Quantity
1700060202	Y Cable for PS/2 Keyboard, PS/2 Mouse	x 1
1701400452	EIDE (HDD) cable	x 1
1701340705	FDD cable	x 1
1700008891	Printer+COM (RS-232) cable w/ bracket	x 1
1700002343	ATX Power Cable (3-pin 2.54 mm to 2.0 mm)	x 1
1703070101	ATX Power Cable 20P/7P 10 cm	x 1
1700008887	USB cable with 4 ports (2.0 mm pitch)	x 1
9689000002	Jumper pack	x 1
-	Startup manual	x 1
-	Utility CD	x 1

Accessories

Part Number	Description
IPC-644BP-15ZE	4-slot chassis w/ 150W power supply
IPC-6806SB-15ZBE	6-slot chassis w/ 150W power supply
CF-HDD-ADP	CompactFlash 50-pin to IDE 44-pin adapter
PCM-231A-00A1E	Audio module with Line-in, Line-out, Mic
9689000042	IrDA adapter
1701140201	COM Port Cable without bracket (RS-232/422/485)
1703080101	AT power cable 7P/Big 4P x 2 10 cm
1701260301	Parallel port cable without bracket