

# PCA-6189

## Socket 479 Pentium® M/Celeron® M Processor Card with 64-bit PCI-X/VGA/Dual Gigabit LAN (400 MHz FSB)

**NEW**



### Features

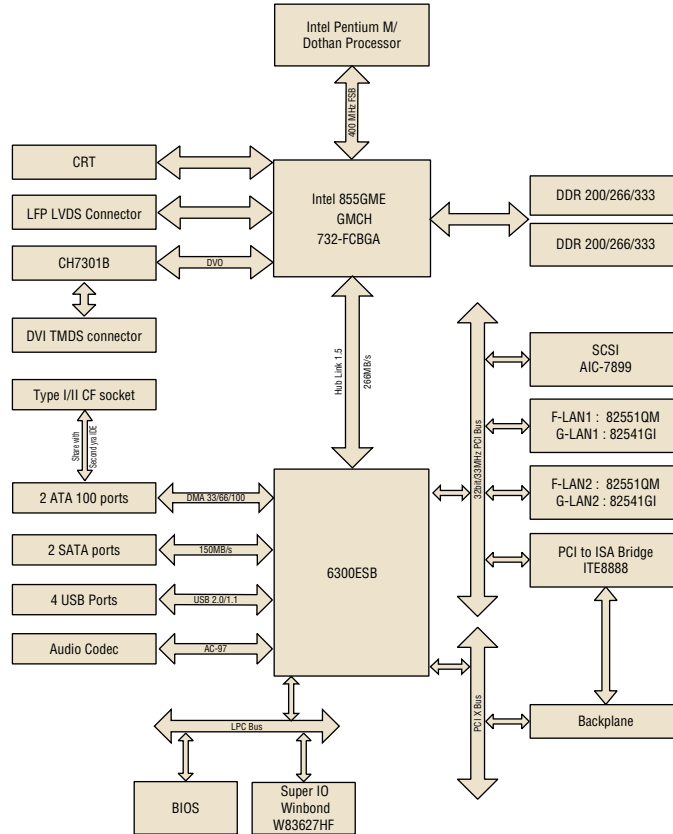
- Intel® 855GME chipset 400 MHz FSB
- Supports two DIMMs DDR 200/266/333 SDRAM
- Supports up to two devices with software Serial ATA RAID 0,1
- Onboard Adaptec AIC-7899 dual channel Ultra 160 SCSI up to 160 MB/s
- Onboard integrated VGA controller, supports dual display
- LVDS and DVI panel support
- 64-bit/66 MHz PCI-X
- Supports 10/100/1000Base-T Ethernet
- Optional fanless solution with on-board Ultra Low Voltage Celeron-M processor at 1.0 GHz



### Specifications

Processor System	CPU	Intel Pentium® M	Intel Celeron® M	Intel ULV Celeron® M (on board)
	Max. Speed	2.1 GHz and above (400 FSB)	1.5 GHz and above (400 FSB)	1.0 GHz (400FSB)
	L2 Cache	1024/2048 KB	512/1024 KB	512 KB
	Chipset	Intel 855GME + 6300ESB		
	BIOS	Award 4 Mbit FWH		
Bus	Front Side Bus	400 MHz		
	PCI	64-bit/33/66 MHz PCI, 66 MHz PCI-X		
	ISA	HiSA (ISA high drive), no DMA support		
Memory	Technology	One Channel DDR 200/266/333 MHz with ECC support		
	Max. Capacity	2 GB		
	Socket	184-pin DIMM x 2		
Graphic	Controller	Chipset integrated VGA controller		
	VRAM	Dynamically shared system memory, 8-64 MB		
	Video Output	1 VGA port, 2048x1536, up to 75 Hz 1 LVDS connector, dual channel from 25 MHz to 112 MHz 1 DVI connector, 2048x1536 at 75 Hz		
Ethernet	Interface	10/100Base-T; 10/100/1000Base-T (optional)		
	Controller	LAN 1: Intel 82551QM (FE); Intel 82541GI (GbE) LAN 2: Intel 82541GI (GbE)		
	Connector	RJ-45 x 2		
SCSI	Interface	Ultra 160		
	Controller	Adaptec AIC-7899		
	Max. Data Transfer Rate	160 MB/s		
SATA	Channel	2		
	Max. Data Transfer Rate	150 MB/s		
EIDE	Mode	ATA 100/66/33		
	Channel	2 (Max. 4 devices)		
I/O Interface	USB	Max. 4 (USB 2.0 compliant)		
	Serial	2 (RS-232)		
	Parallel	1 (SPP/EPP/ECP)		
	FDD	1		
	PS/2	1		
Watchdog Timer	Output	Interrupt, system reset		
	Interval	Programmable, 1~255 sec.		
Miscellaneous	Audio Output	AC-97 audio interface (requires an audio extension module P/N: PCA-AUDIO-00A1)		
	Solid State Disk	Compact Flash socket (Type I / II), shared with secondary IDE		
Power Requirement	Typical	Intel Pentium M 1.8 GHz with 400 MHz FSB, 512MB DDR 333 SDRAM		
		+5 V	-5 V	+12 V -12 V
		6.53A	0.01A	4.57A 0.01A
Environment		Operating		Non-Operating
	Temperature	0-60 °C (32-140 °F), depends on CPU's speed		-20-70 °C (-40 ~ 158 °F)
Physical Characteristics	Dimensions	338 x 122 mm (13.3" x 4.8")		

## Block Diagram



## Ordering Information

Part Number	Processor	Fast Ethernet LAN	Gigabit LAN	SCSI
PCA-6189VE-00A1	-	Single	-	-
PCA-6189VG-00A1	-	-	Single	-
PCA-6189G2-00A1	-	-	Dual	-
PCA-6189F-00A1	-	-	Dual	V
PCA-6189VE-C1A1	ULV Celeron-M 1.0 GHz	Single	-	-
PCA-6189VG-C1A1	ULV Celeron-M 1.0 GHz	-	Single	-
PCA-6189G2-C1A1	ULV Celeron-M 1.0 GHz	-	Dual	-

## Packing List

Part Number	Description	Quantity
1700340640	FDD cable	X 1
1701400452	IDE HDD cable	X 2
1700071000	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
1700000821	DVI cable	X 1
1960001631	Low profile CPU cooler	X 1
9689000068	Jumper pack	X 1
-	Startup manual	X 1
-	Utility CD	X 1

## Bracket View



PCA-6189VE-00A1  
 PCA-6189VG-00A1  
 PCA-6189VE-C1A1  
 PCA-6189VG-C1A1



PCA-6189G2-00A1  
 PCA-6189F-00A1  
 PCA-6189G2-C1A1

## Optional Accessories

Part Number	Description
1700100170	USB cable with 2 ports
PCA-AUDIO-00A1	Audio extension module
1700000182	SCSI cable with terminator (125cm)