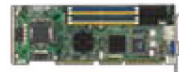


PCI/ISA Full-size Single Board Computers



Model Name		PCA-6194	PCA-6008	PCA-6190
Processor System	CPU	Intel Core 2 Duo/ Pentium Dual-Core/ Celeron 400 Sequence/ Pentium D/ Pentium 4/ Celeron D	Intel Pentium M / Celeron M (G2 version only) On board Celeron M (VG version only)	Intel Pentium 4/Celeron D LGA775
	Max. Speed	2.66/ 2.0/ 2.0/ 3.6/ 3.8/ 3.33 GHz	2.26/ 1.7 GHz (G2 version only) 600 MHz (VG version only)	3.8/3.06 GHz
	Max. L2 Cache	4MB/ 1 MB /512 KB/ 2 MB+2 MB/ 2 MB/ 512 KB	512 KB, 1 MB, 2 MB	1 MB, 2 MB/256 KB
	Chipset	Intel Q965 + ICH8DO	Intel 915GME+ ICH6M (G2 version only) Intel 910GMLE+ ICH6M (VG version only)	Intel 915GV + ICH6
Bus	BIOS	Award 16 Mbit SPI Flash	Award 4 Mbit FWH	Award 8 Mbit FWH
	FSB	1066/ 800/ 533 MHz	533/ 400 MHz	533/800 MHz
	PCI	32-bit/ 33 MHz PCI	32-bit/33 MHz PCI	PCI 32-bit/33 MHz; 2 PCIe x1 for LAN chip
Graphics	ISA	HISA (ISA High Drive)	HISA (ISA High Driver)	HISA (ISA high drive)
	Controller	Chipset integrated, up to 2048x1536 @ 75Hz refresh	Chipset integrated VGA controller	Chipset integrated
	VRAM	Shared with system memory up to 256MB	Shared with system memory up to 128 MB	Shared system memory up to 128 MB
LCD	LCD	Video output, 15 pin CRT connector x1 (Optional DVI connector)	LVDS/ DVI (G2 version only)	DVI
	Interface	10/100/1000Base-T	10/100/1000Base-T	10/100/1000Base-T
Ethernet	Controller	LAN1: Intel 82566DM LAN2: Intel 82573V	LAN1: RTL8111B LAN2: RTL8111B	Broadcom BCM5721 x 2
	Connector	RJ45 x 2	RJ45 x 2	RJ-45 x 2
	Disable from BIOS	Yes	Yes	Yes
Memory	Technology	Dual-channel DDRII 800/667/533 MHz DIMMs	Dual-channel DDRII 533/ 400 MHz DIMMs	Dual channel DDR2 400/533
	Max. Capacity	8 GB	2 GB	4 GB
	Socket	240-pin DIMM x 4	240-pin DIMM x 2	240-pin x 4
SATA	Max. Data Transfer Rate	300 MB/s	150 MB/s	150 MB/s
	Channel	6	2	4
EIDE	Mode	ATA 100/66/33	ATA 100/66/33	ATA 100/66/33
	Channel	1 (Max. two devices)	1 (Max. two devices)	1 (Max. two devices)
I/O Interface	USB	6 (USB2.0)	8 (USB 2.0, for G2 version) 4 (USB 2.0, for VG version)	8 (USB 2.0)
	Serial	2 (RS-232)	G2 version: 5 (RS-232) / 1 (RS-232/ RS-422/RS-485) VG version: 2 (RS-232)	2 (RS-232)
	Parallel	1 (EPP/ ECP)	1 (EPP/ECP/SPP)	1 (SPP/EPP/ECP)
	FDD	1	1	1
	PS/2	1	1	1
	LAN	1 (for VG version) 2 (for G2 version)	1 (for VG version) 2 (for G2 version)	1 (for VG version) 2 (for G2 version)
	OBS (Hardware Monitor)	Yes	Yes	Yes
Watchdog Timer	Output	Interrupt, system reset	Interrupt, system reset	Interrupt, system reset
	Interval	Programmable 1~255 sec.	Programmable, 1~255 sec.	Programmable, 1~255 sec.
Miscellaneous	Audio (requires PCA-AUDIO-00A1E)	Yes (Interface to Hi-definition audio codec module PCA-AUDIO-HDA1E)	Yes	Yes
	Advantech SNMP-1000-B	Yes	Yes	Yes
	Solid State Disk	IDE flash Disk	IDE flash Disk (CompactFlash socket is optional)	IDE Flash Disk



Model Name		PCA-6187	PCA-6186-B	PCA-6178-C	PCA-6002-B
Processor System	CPU	Intel Pentium 4/Celeron D/Celeron Socket 478	Intel Pentium 4/Celeron D/ Celeron Socket 478	Intel Pentium III/Celeron Socket 370	Intel Celeron (Ultra Low Voltage)
	Max. Speed	3.4/3.06/2.8 GHz	3.06/3.06/2.8 GHz	1.0 GHz/1.1 GHz	650/400 MHz
	Max. L2 Cache	256 KB, 512 KB, 1 MB/ 256 KB /128, 256 KB	256, 512 KB/256 KB/128 KB	256 KB/128 KB	256 KB
	Chipset	Intel 865G + ICH5	Intel 845GV + ICH4	Intel 440BX	Intel 815E + ICH2
Bus	BIOS	Award 4 Mbit FWH	Award 4 Mbit FWH	Award 2 Mbit ISA	Award 4 Mbit FWH
	FSB	400/533/800 MHz	400/533 MHz	66/100 MHz	100 MHz
	PCI	32-bit/33 MHz	32-bit/33 MHz	32-bit/33 MHz	32-bit/33 MHz
Graphics	ISA	HISA (ISA high drive)	HISA (ISA high drive)	HISA (ISA high drive)	HISA (ISA high drive)
	Controller	Chipset integrated	Chipset integrated	ATI RAGE XL (AGP 2X)	Chipset integrated
	VRAM	Shared system memory up to 64 MB	Shared system memory 8 ~ 64 MB	8 MB	Shared system memory up to 11 MB
LCD	LCD	-	-	-	-
	Interface	10/100Base-T or 10/100/1000Base-T	10/100Base-T or 10/100/1000Base-T	10/100Base-T	10/100Base-T
Ethernet	Controller	Intel 82547/82541, Intel 82562 (FE)	Intel 82562/82551, Intel 82541 (GbE)	Intel 82551	Intel 82562/82551
	Connector	RJ-45 x 2	RJ-45 x 2	RJ-45	RJ-45 x 2
	Disable from BIOS	Yes	Yes for FE LAN NO for GbE	-	Yes
Memory	Technology	Dual channel DDR 266/333/400 SDRAM	DDR 200/266/333	PC-100 with ECC support	PC-133/100
	Max. Capacity	4 GB	2 GB	768 MB	512 MB
	Socket	184-pin DIMM x 4	184-pin DIMM x 2	168-pin DIMM x 3	168-pin DIMM x 2
SATA	Max. Data Transfer Rate	150 MB/s	-	-	-
	Channel	2	-	-	-
EIDE	Mode	ATA 100/66/33	ATA 100/66/33	ATA 33	ATA 100/66/33
	Channel	2 (Max. four devices)	2 (Max. four devices)	2 (Max. four devices)	2 (Max. four devices)
I/O Interface	USB	6 (USB 2.0 compliant)	6 (USB 2.0 compliant)	2 (USB 1.1 compliant)	4 (USB 1.1 compliant)
	Serial	2 (RS-232)	2 (RS-232)	2 (RS-232)	2 (RS-232)
	Parallel	1 (SPP/EPP/ECP)	1 (SPP/EPP/ECP)	1 (SPP/EPP/ECP)	1 (SPP/EPP/ECP)
	FDD	1	1	1	1
	PS/2	1	1 (for LV, VE, VG versions) 2 (for E2 versions)	1	1 (for VE version) 2 (for E2 version)
	LAN	1 (for VE, VG versions) 2 (for G2, versions)	1 (for VE, VG versions) 2 (for E2, G2 versions)	1 (for VE, versions)	1 (for VE versions) 2 (for E2 versions)
	OBS (Hardware Monitor)	Yes	Yes	Yes	Yes
Watchdog Timer	Output	Interrupt, system reset	Interrupt, system reset	Interrupt, system reset	Interrupt, system reset
	Interval	Programmable, 1~255 sec./min	Programmable, 1 ~ 255 sec./min	Programmable, 1 ~ 63 sec.	Programmable, 1 ~ 255 sec./min
Miscellaneous	Audio (requires PCA-AUDIO-00A1E)	Yes	Yes	-	Yes
	Advantech SNMP-1000-B	Yes	Yes	-	Yes
	Solid State Disk	IDE Flash Disk	IDE Flash Disk	M-systems' DOC 2000 (144 MB)	CompactFlash socket (CompactFlash Type I/II)

