

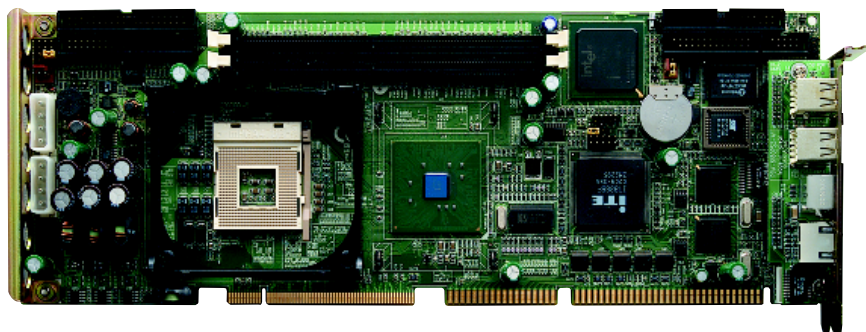
# PCA-6186

# Pentium 4/Celeron™ CPU Cards

**Socket 478 Pentium 4/Celeron Card with DDR/VGA/Dual LAN (or Dual Gigabit LAN)/HISA (400/533 MHz FSB)**

## Features

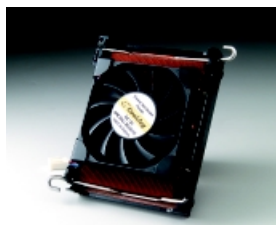
- Socket 478 Pentium 4/Celeron up to 2.4 GHz and above
- Intel 845G chipset 400/533 MHz FSB
- On-board integrated VGA controller, shared memory architecture
- Supports dual 10/100 Base-T Ethernet, Intel 82562/82551 controller
- Supports dual 10/100/1000 Base-T Ethernet, Intel 82540 controller
- 6 USB 2.0 ports
- On-board hardware monitoring
- CMOS automatic backup and restore to Prevent accidental data loss of BIOS setup
- HISA (ISA high drive) support



CE FCC

## Specifications

|                   |                |                                                                                |
|-------------------|----------------|--------------------------------------------------------------------------------|
| Processor System  | CPU            | Intel Pentium 4/Celeron                                                        |
|                   | Max. Speed     | 2.4 GHz and above                                                              |
|                   | L2 Cache       | 512/256/128 KB                                                                 |
|                   | Chipset        | Intel 845G (PCA-6186), Intel 845GL (PCA-6186LV)                                |
| Bus               | BIOS           | Award 4Mb FWH                                                                  |
|                   | Front Side Bus | 400/533 MHz (PCA-6186LV: 400 MHz)                                              |
|                   | PCI            | 32-bit/33 MHz                                                                  |
|                   | ISA            | High drive support                                                             |
| Memory            | Technology     | PC-266/200 DDR SDRAM                                                           |
|                   | Max. Capacity  | 2 GB                                                                           |
|                   | Socket         | 184-pin DIMM x 2                                                               |
| Graphic           | Controller     | On-board integrated VGA controller (AGP 4X)                                    |
|                   | VRAM           | Dynamically share system memory 8-64 MB                                        |
| Ethernet          | Interface      | 10/100/1000 Base-T (Gigabit) or 10/100 Base-T (FE)                             |
|                   | Controller     | Dual Intel 82540 for Gigabit or Intel 82562 (LAN 1) and 82551 (LAN 2) for FE   |
|                   | Connector      | RJ-45 x2                                                                       |
| EIDE              | Mode           | ATA 100/66/33                                                                  |
|                   | Channel        | 2 (Max. four devices)                                                          |
| I/O Interface     | USB            | Max: 6 (USB 2.0 compliant)                                                     |
|                   | Serial         | 2 (RS-232)                                                                     |
|                   | Parallel       | 1 (SPP/EPP/ECP)                                                                |
|                   | FDD            | 2                                                                              |
|                   | PS/2           | 1                                                                              |
| Miscellaneous     | Watchdog Timer | Programmable, 1 ~ 255 sec. or min.                                             |
|                   | Audio Output   | AC-97 audio interface (requires an audio extension module P/N: PCA-AUDIO-00A1) |
| Power Requirement | Typical        | Pentium 4 2 GHz, 256 MB DDR SDRAM                                              |
|                   | +5V            | +12V                                                                           |
|                   | 8.7A           | 310 mA                                                                         |
| Environment       | Operating      | Non-Operating                                                                  |
|                   | Temperature    | 0 ~ 60° C (32 ~ 140° F) -20 ~ 70° C (-4 ~ 158° F)                              |
| Physical          | Dimensions     | 338 x 122 mm (13.3" x 4.8")                                                    |



Part Number: 1759252100  
Slim fan for 1U chassis

## Ordering Information

| Model Name      | Front Side Bus (MHz) | HISA | VGA (AGP) | Fast Ethernet LAN | Gigabit LAN | USB |
|-----------------|----------------------|------|-----------|-------------------|-------------|-----|
| PCA-6186LV-00A1 | 400                  | V    | V         | --                | --          | 2   |
| PCA-6186VE-00A1 | 400/533              | V    | V         | Single            | --          | 2   |
| PCA-6186E2-00A1 | 400/533              | V    | V         | Dual              | --          | 6   |
| PCA-6186VG-00A1 | 400/533              | V    | V         | --                | Single      | 2   |
| PCA-6186G2-00A1 | 400/533              | V    | V         | --                | Dual        | 6   |

## Packing List

|                                                |     |            |
|------------------------------------------------|-----|------------|
| FDD cable                                      | X 1 | 1700340640 |
| IDE HDD cable                                  | X 2 | 1701400452 |
| Printer + COM cable                            | X 1 | 1701260305 |
| Y cable for PS/2 mouse & keyboard              | X 1 | 1700060202 |
| Jumper pack                                    | X 1 | 9689000068 |
| Single slot bracket (only for E2, G2 versions) | X 1 | 1962159010 |
| Startup manual                                 | X 1 | --         |
| Utility CD                                     | X 1 | --         |

## Accessory Options

|                                                                                                 |                |
|-------------------------------------------------------------------------------------------------|----------------|
| USB cable                                                                                       | 1700100170     |
| Slim fan for 1U chassis                                                                         | 1759252100     |
| Audio extension module (with Line in, Line out, Speaker out, CD in and buzzer in from CPU card) | PCA-AUDIO-00A1 |

**ADVANTECH**

• All brand names and registered trademarks are the property of their respective owner  
• All specifications are subject to change without notice