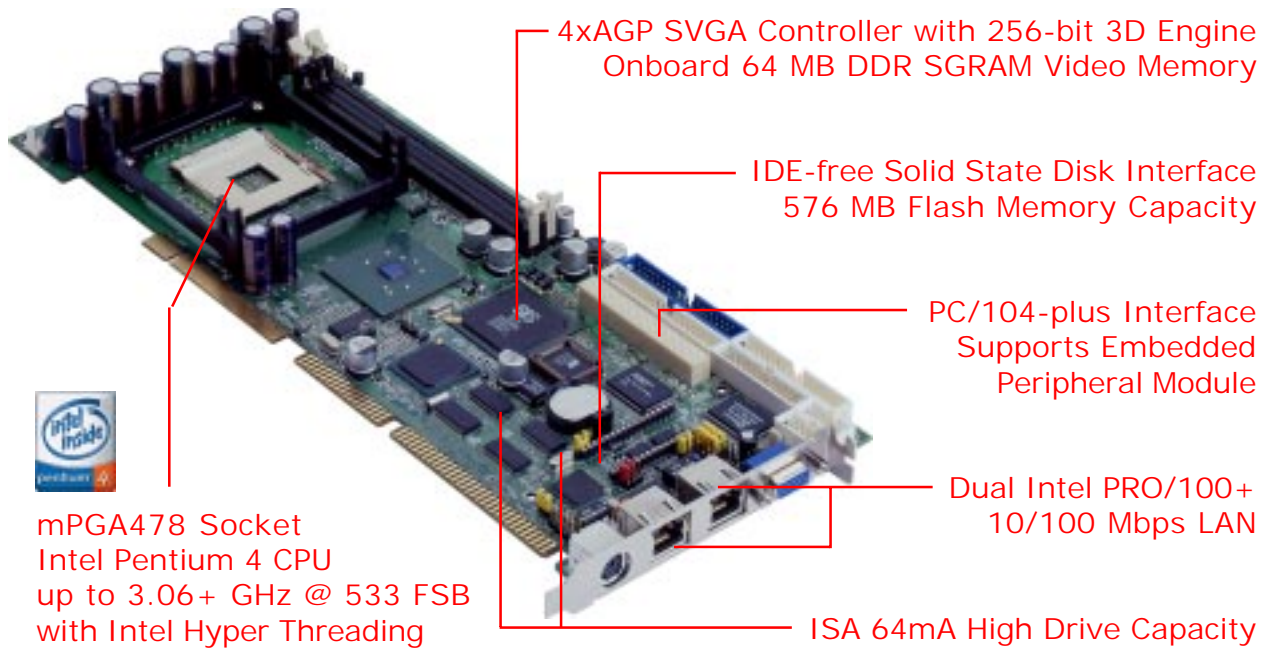


# Advanced Pentium 4 DDR Platform



Intel Pentium 4 CPU @ 533 FSB with DDR Solution  
Onboard 64 MB DDR SGRAM for Frame Buffer



mPGA478 Socket  
Intel Pentium 4 CPU  
up to 3.06+ GHz @ 533 FSB  
with Intel Hyper Threading

4xAGP SVGA Controller with 256-bit 3D Engine  
Onboard 64 MB DDR SGRAM Video Memory

IDE-free Solid State Disk Interface  
576 MB Flash Memory Capacity

PC/104-plus Interface  
Supports Embedded  
Peripheral Module

Dual Intel PRO/100+  
10/100 Mbps LAN

ISA 64mA High Drive Capacity

## FS-976 Features

- Intel Socket 478 Pentium 4 / Celeron CPU @ 533/400 MHz FSB up to 3.06+ GHz with Intel Hyper Threading Technology
- Memory Capacity up to 2 GBytes DDR200/266 SDRAM with ECC
- Powerful 4xAGP SVGA Controller with built-in 256-bit 3D Engine and Onboard 64 MB DDR SGRAM Independent Video Memory
- Powerful Network Capacity with Dual Intel PRO/100+ LAN Interface
- PC/104-plus Interface supports Add-in Multiple LAN, Ultra160 SCSI, IDE Adapter, IDE RAID, and Other PCI-based Peripheral Modules
- M-systems DiskOnChip Single Chip Solid State Flash Disk Interface
- ISA 64mA High Drive Capacity for CT Server and Multiple ISA Platform

# Industrial Pentium 4 CPU Card

## 533MHz FSB, DDR and 64 MB DDR SGRAM



### FS-976

Full-size PICMG Pentium 4 DDR CPU Card  
with 4xAGP 3D SVGA/64 MB DDR VRAM  
Dual Intel LAN, PC/104-plus, DiskOnChip  
Interfaces and ISA 64mA High Drive Capacity



<b>Form Factor</b>	Full-size PICMG-bus CPU Card / Slot PC PICMG version 1.0 (Rev. 2.0) and PCI version 2.0 compliant
<b>CPU</b>	Intel Socket 478 Pentium 4 / Celeron CPU @ 400/533 MHz FSB up to 3.06 GHz and above with Intel Hyper Threading Technology Intel 0.13/0.18-micron Northwood / Willamette Pentium 4 CPU supported
<b>Memory</b>	2 GBytes DDR SDRAM on 2 x 184-pin DIMM sockets with ECC supported
<b>Chipset</b>	Intel Brookdale-E chipset with 82845E MCH and 82801BA ICH2
<b>Watchdog Timer</b>	Generates NMI or system reset with 1 to 255 sec. / min. of time out value
<b>Real Time Clock</b>	Intel ICH2 integrated RTC with onboard lithium battery
<b>ISA High Drive</b>	ISA 64mA high drive capacity with TI 245 buffer on address and data bus
<b>PCI Enhanced IDE</b>	Dual UltraATA/100 bus master IDE channels up to 4 ATAPI devices IDE2 supports +5V Vcc for additional DiskOnModule (DOM) flash disk
<b>VGA Interface</b>	Integrated SiS315 4xAGP SVGA with 256-/128-bit 3D/2D engine Onboard 64 MBytes DDR SGRAM independent video memory External DB15 female connector on bracket and internal 16-pin header
<b>LAN Interface</b>	Integrated dual Intel PRO/100+ LAN interfaces, IEEE802.3U compliant 1st LAN with Intel ICH2 and 82562ET, 2nd LAN with Intel 82559ER External dual RJ45 connectors on bracket
<b>PC/104+ Interface</b>	One 120-pin 32-bit PCI-based embedded PC/104-plus module connector supports up to 3 PC/104-plus add-in modules (SCSI, Multiple LAN, and others)
<b>Multi-I/O Port</b>	1 x RS-232 and 1 x RS-232/422/485 serial ports 2 x USB ports with USB version 1.1 compliant 1 x SPP/EPP/ECP parallel port 1 x IrDA port, 1 x FDD port 1 x external PS/2 keyboard / mouse and 1 x internal AT keyboard port
<b>Solid State Disk</b>	Onboard 32-pin DIP JEDEC DiskOnChip socket Flash memory capacity up to 1GBytes with ECC/EDC data protection
<b>Environment</b>	Power Requirement: +5V, +12V, -12V (P4 additional +12V power free) Board Dimension: 338 x 122 mm (L x W) Operation Temperature: 0 ~ 60°C (32 ~ 140°F)
<b>Ordering Code</b>	<b>FS-976VL</b> with VGA, 64MB DDR SGRAM, Intel LAN <b>FS-976VL2</b> Same as FS-976VL but with Dual Intel LAN and PC/104+