



VIA PERFORMANCE CHIPSET

Apollo P4X266



Features	VIA Apollo P4X266	Intel® 850
North Bridge	VT8753	82850 MCH
Processor Support	Intel® Pentium® 4	Intel® Pentium® 4
CPU Front Side Bus	400MHz	400MHz
AGP 4X Support	Yes	Yes
Memory Bus Settings	200/266 MHz @ 64 bit	Dual Channel 600/800MHz @ 16 bit
Max. Memory	4.0GB	2.0GB
Memory Type	DDR 200/266 or PC100/133 SDRAM	RDRAM
South Bridge	VT8233/8233C	82801BA ICH2
ACR Support	Yes	No
Integrated Audio	AC'97 - 2.2 compliant	AC'97 - 2.1 compliant
Integrated Modem	MC'97	MC'97
Integrated Network controller	VIA or 3Com Ethernet MAC 10/100Mb Ethernet 1/10Mb HomePNA	10/100Mb Ethernet
PCI Devices/Slots	Integrated PCI support 5 PCI Slots	Integrated PCI support 5 PCI Slots
North/South Bridge Link	VIA V-Link @ 266 MB/sec	Intel Hub Architecture @ 266 MB/sec
IDE	ATA 33/66/100	ATA 33/66/100
USB	6 x USB ports with 3 controllers	4 x USB ports with 2 controllers
Super IO	LPC Super I/O	LPC Super I/O
IO APIC	Yes	Yes
Power Management	ACPI/APM/PCI/PM	ACPI/APM/PCI/PM

Benefits of VIA Apollo P4X266

Ultra High Performance Platform

The VIA Apollo P4X266 is the most cohesive, powerful chipset platform for the Intel Pentium® 4 processor with support for up to 4GB of high speed, power efficient DDR SDRAM with 64 bit 266MHz memory bus, ultra fast 400MHz Front Side Bus, and 266MB per second V-link hub architecture connecting the North and South Bridge.

Flexible and Cost Efficient

The VIA Apollo P4X266 has flexibility built in, with support for DDR266 SDRAM, PC133 and PC100 SDRAM, enabling system builders to choose the specification that best fits their desired functionality and target price points, while taking advantage of the cost and reliability benefits of SDRAM infrastructure.

Power Efficient and Innovative

DDR266 lowers memory power consumption to 2.5 volts, balancing the power hungry processor, while features like the integrated 3Com 10/100 Mb Ethernet Media Access Controller add value in an innovative, cost effective form.

VIA Stability and Reliability

VIA Apollo chipsets benefit from the most advanced design, manufacturing and testing processes yielding the industry's most reliable and stable system platforms.

Features

- Supports Intel® Pentium® 4 Processor
- 400MHz (Quad 100) FSB setting
- AGP4X graphics
- Supports DDR200/266 SDRAM as well as PC100/133 SDRAM
- Ultra fast 266MB per second V-Link between North and South Bridge
- Support for Advanced Communications Riser (ACR)
- AC'97 and MC'97 Audio/Modem
- Integrated 3Com 10/100Mb Ethernet Media Access Controller (VT8233C) or 10/100Mb Ethernet, 1/10Mb HomePNA (VT8233)
- Support for 2 ATA 33/66/100 interfaces
- 6 USB ports, UHCI compliant
- Integrated KBC, PS/2 Mouse Interface, RTC
- Advanced power management capabilities
- 664-pin BGA VT8753 North Bridge
- 376-pin BGA VT8233C or VT8233 South Bridge

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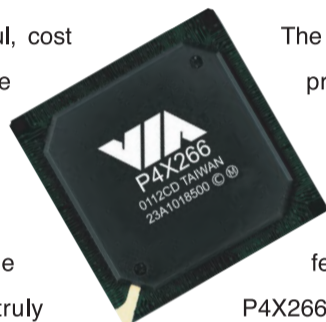


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The VIA Apollo P4X266 is the first chipset to harness the power of high bandwidth DDR SDRAM to provide the most balanced and cost effective platform for building the next generation of high performance Intel® Pentium® 4 processor based servers, workstations, and PC systems.

The VIA Apollo P4X266 is the most powerful, cost effective, and flexible chipset solution available for Intel® Pentium® 4 processor based platforms. Its ultra-fast 400MHz Front Side Bus combined with support for up to 4GB of high-speed DDR266 SDRAM fully exploit the processor's high bandwidth, yielding truly exceptional performance across the full range of applications while leveraging the cost benefits and reliability of SDRAM architecture. System responsiveness is further enhanced by the chipset's high speed V-Link bus, which doubles communication bandwidth between the North and South Bridge to 266MB per second.



The VIA Apollo P4X266 also supports PC133 SDRAM to provide the scalability that OEMs and System Integrators need to build systems spanning a complete spectrum of price points using a single platform. In addition to a host of performance features such as AGP4X and ATA 100 support, the P4X266 features an integrated 3Com 10/100Mb Ethernet Media Access Controller (MAC) in the VT8233C South Bridge to make it the optimum chipset for network ready desktop solutions. Additional features include integrated AC'97 audio, MC'97 modem support, 6 USB ports, and Advanced Power Management.

