Apollo Pro266

VIA PERFORMANCE CHIPSET

Features	VIA Apollo Pro266	VIA Apollo Pro133A	Intel® 820
North Bridge	VT8633	VT82C694X	82820
Processor Support	Intel® Pentium® III	Intel® Pentium® III	Intel® Pentium® III
	Intel® Celeron™	Intel® Celeron™	Intel® Celeron™
	VIA C3™	VIA C3™	VIA C3™
CPU Front Side Bus	66/100/133MHz	66/100/133MHz	66/100/133MHz
AGP 4X Support	Yes	Yes	Yes
Memory Type	DDR200/266 SDRAM	PC66/100/133 SDRAM	RDRAM
	PC66/100/133 SDRAM	VC SDRAM	
	VC SDRAM		
Memory Bus Settings	100/133/266MHz @ 64bit	66/100/133MHz @ 64bit	600/700/800MHz @ 16bit
Peak Memory Bandwidth	2.1GB/sec	1GB/sec	1.6GB/sec
Max. Memory	4.0GB	2.0GB	512MB
South Bridge	VT8233	VT8231	82801AA
North/South Bridge Link	VIA V-Link @ 266MB/sec	PCI @ 133MB/sec	Intel Hub Architecture @ 266MB/sec
ACR Support	Yes	Yes	No
Integrated Audio	AC'97 - 6 channel	AC'97 - 2 channel	AC'97 - 2 channel
Integrated Modem	MC'97	MC'97	MC'97
Integrated Network	1/10Mb HomePNA or	1/10Mb HomePNA or	1/10Mb HomePNA or
controller	10/100 BaseT Ethernet	10/100 BaseT Ethernet	10/100 BaseT Ethernet
IDE	ATA 33/66/100	ATA 33/66/100	ATA 33/66/100
USB	6 ports	4 ports	2 ports
Integrated I/O APIC	Yes	Yes	Yes
Integrated Hardware Monitoring	Yes	Yes	Yes
Power Management	ACPI/OnNow™ PMM	ACPI/OnNow™ PMM	ACPI/OnNow™ PMM

Benefits of VIA Apollo Pro266

High-bandwidth DDR266 performance at minimal extra cost

With a peak bandwidth of 2.1GB per second, DDR266 clears the system memory bottleneck and delivers the headroom necessary to maximize the performance out of the latest generation processors and multimedia software applications. Built on the existing SDRAM infrastructure, DDR266 comes with a minimal price premium over standard PC133 memory.

Highly flexible platform with market leading features

With flexible 66/100/133MHz Front Side Bus settings, AGP4X, and ATA-100, the VIA Apollo Pro266 provides a highly versatile chipset platform that allows OEMs and system builders to select the components that best fit their target price points and feature sets. Support for PC133 SDRAM and VCM memory ensures a smooth migration path for existing SDRAM system designs.

Low power consumption

DDR266 DRAM lowers memory power consumption to 2.5 volts, providing the ideal solution for small form factor desktops and notebooks.

Features

- Supports Intel® Pentium® III, Intel® Celeron™, & VIA C3™ processors
- 66/100/133MHz FSB settings
- Support for AGP2X/4X
- Supports up to 4GB DDR200/266 SDRAM as well as PC133/66/100 SDRAM and Virtual Channel memory
- 266MB/sec high bandwidth North/South Bridge V-Link
- Support for Advanced Communications Riser (ACR) card standard
- Integrated 6 channel AC'97 Audio
- Integrated MC'97 Modem
- Integrated 10/100 BaseT Ethernet controller or HomePNA
- Support for ATA 33/66/100
- 6 USB ports, UHCI compliant
- Integrated I/O APIC for dual processor support
- Integrated hardware monitoring
- Advanced power management capabilities
- 552 BGA VT8633 North Bridge
- 376 BGA VT8233 South Bridge

Apollo Pro266

Combining support for high-bandwidth DDR266 SDRAM with a new high-speed V-Link Hub Architecture, the VIA Apollo Pro266 delivers unrivaled power and scalability for the next generation of high-performance servers, workstations, and PC systems

The VIA Apollo Pro266 provides the highest performance and most scalable chipset solution for today's increasingly demanding server, workstation, and PC applications. With its support for DDR266 DRAM, the VIA Apollo Pro266 provides the headroom necessary to deliver optimum system performance by doubling memory data throughput and reaching a peak memory bandwidth of 2.1GB per second while at the same time leveraging the cost benefits of the existing SDRAM infrastructure. To provide a smooth migration path for existing SDRAM system designs, the VIA Apollo Pro266 also comes with PC133 and VCM DRAM support. Its other leading-edge features include a 133MHz Front Side Bus, AGP4X, ATA-100 support, and a new high-speed V-Link bus that doubles the communication bandwidth between the North and South Bridge to 266MB per second. VIA's commitment to integration and delivering optimal performance at lower costs is further enhanced through a 10/100 BaseT Ethernet controller and HomePNA, AC'97 audio, MC'97 modem, Super I/O and hardware monitoring capabilities in the South Bridge. Additional key features include support for 6 USB ports, ATA-100, and advanced power management.

we connect