



## MULTIMEDIA CHIPSET

# ProSavage™ P4M266

Features	VIA ProSavage™ P4M266	VIA ProSavage™ PM133T	Intel® i815/e
North Bridge	VT8751	VT8605T	82815
Processor Support	Intel® Pentium® 4	Intel® Celeron™ Intel® Pentium® III VIA C3™	Intel® Celeron™ Intel® Pentium® III VIA C3™
CPU Front Side Bus	400MHz	66/100/133MHz	66/100/133MHz
AGP 4X Support	Yes	Yes	Yes
Memory Type	DDR200/266 SDRAM PC100/133 SDRAM VC SDRAM	PC100/133 SDRAM VC SDRAM	PC100/133 SDRAM
Memory Bus Settings	100/133/200/266MHz	60/100/133MHz	100/133MHz
Max. Memory	4.0GB	1.5GB	512MBVC
South Bridge	VT8233/VT8233C	VT82C686B/VT8231	8201AA/8201AB
North/South Bridge Link	VIA V-Link @ 266MB/sec	PCI Bus @ 133MB/sec	Hub Architecture @ 266MB/s
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 Controller	10/100 BaseT Ethernet or	10/100 BaseT Ethernet or	10/100 BaseT Ethernet or
IDE	1/10/Mb HomePNA	1/10/Mb HomePNA	1/10/Mb HomePNA
USB	ATA 33/66/100	ATA 33/66/100	ATA 33/66/100
Power Management	6 ports ACPI/OnNow™ PMM	4 ports ACPI/OnNow™ PMM	4 ports ACPI/OnNow™ PMM

## Benefits of VIA ProSavage™ P4M266

### Unparalleled memory and graphics performance

The VIA ProSavage™ P4M266 combines the high performance S3 Savage4™ with support for DDR200/DDR266 memory, dramatically increasing 2D, 3D, and Video performance. As a Shared Memory Architecture (SMA) platform, the integrated video of the VIA ProSavage™ P4M266 is able to utilize system memory for frame buffer and texture memory. Thus, the high performance DDR subsystem of VIA ProSavage™ P4M266, offering up to 2.1GB/s of memory bandwidth, greatly increases the overall performance of the integrated graphics core.

### VIA Modular Architecture Platform

The VIA ProSavage™ P4M266 is part of the family of VIA Modular Architecture Platforms (V-MAP). As a modular solution, the North and South Bridge of VIA ProSavage™ P4M266 are completely pin compatible with current and future products, such as the VT8233C South Bridge with integrated 3Com® Ethernet MAC, and the VIA Apollo P4X266 North Bridge with discrete graphics. V-MAP allows flexibility when designing a system around the VIA ProSavage™ P4M266 chipset, enabling OEMs and System Integrators to reach different market segments with a single platform.

### VIA Stability and Reliability

VIA 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 processors
- \*400MHz FSB (100MHz QDR)
- \*Integrated S3 Savage4™ AGP4X graphics core
- \*Supports up to 4.0GB DDR200/266 SDRAM as well as PC100/133 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 and 1/10Mb HomePNA controller
- \*Support for ATA 33/66/100
- \*6 USB ports, UHCI compliant
- \*Advanced power management capabilities including ACPI/OnNow™
- \*664-pin BGA VT8751 North Bridge
- \*376-pin BGA VT8233/C South Bridge

[www.viatech.com](http://www.viatech.com)

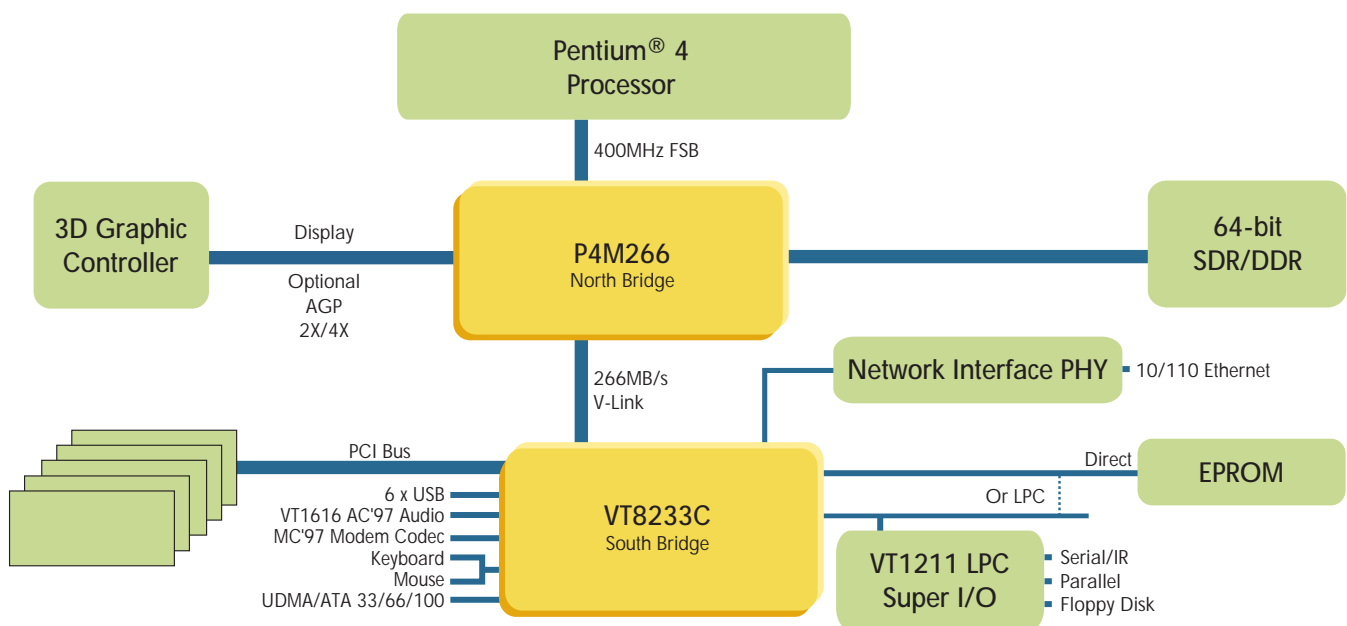


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The VIA ProSavage™ P4M266 is the first integrated chipset for the Intel® Pentium® 4 Platform. Combining the high performance S3 Savage4™ graphics core, support for DDR200/266 memory and the VIA Modular Architecture Platform (V-MAP) design, the VIA ProSavage™ P4M266 sets a new standard for power, flexibility, and value.



As the first integrated chipset for the Intel® Pentium® 4 processor, the VIA ProSavage™ P4M266 combines the high performance, scalable VIA Apollo P4X266 system controller with the proven S3 Savage4™ graphics core. Supporting AGP4X, 32MB of frame buffer, and DVD Motion Compensation, the integrated S3 Savage4™ provides class-leading 2D, 3D, and video quality and performance. To provide OEMs and System Integrators with additional configuration flexibility, the VIA ProSavage™ P4M266 also features an optional external AGP4X interface, allowing future graphics upgrades. The VIA ProSavage™ P4M266 is also the first shipping integrated chipset for the Intel® Pentium® 4 processor to support DDR memory. Utilizing the same high-performance memory controller as the VIA Apollo P4X266, the VIA ProSavage™ P4M266 supports up to 4.0GB of DDR200 / DDR266 SDRAM. High-bandwidth DDR technology greatly increases the performance of integrated graphics, as it allows the S3 Savage4™ graphics core to use



up to 2.1GB/s of bandwidth for frame buffer and texture memory operations. Yet another member of the growing family of V-MAP compatible chipsets, the VIA ProSavage™ P4M266 is fully pin compatible with the VIA Apollo P4X266 chipset, as well as a number of highly integrated South Bridges. This allows System Integrators and OEMs the flexibility to reach different price points and market segments with a single, unified platform design. The VIA ProSavage™ P4M266 supports the same advanced features as the rest of the V-MAP line of chipsets, such as ATA-100, PC133 support, six channel advanced audio, six USB ports, LPC bus, and integrated 10/100Mbps Ethernet and Home PNA, AC'97 audio, and MC'97 modem.