

SMB-2501

**Motherboard, Intel® Pentium® 4 (Northwood)
CPU/3 GB DDR /Dual LAN**



Features

- Intel® Pentium® 4 processors up to 2.4 GHz
- SiS650 chipset supports 400 MHz FSB up to 3 GB DDR-266 Memory
- Dual 10/100 LAN ports
- Integrated VGA with AGP 4X
- 1 AGP 2X/4X slot
- 2 PCI slots, 4 ISA slots and 1 CNR slot

Introduction

The SMB-2501 motherboard provides flexible solutions suitable for ISPs, telecommunications, CT, VOD and Industrial automation. The SMB-2501 is the first Pentium 4 motherboard that can provide 4 ISA slots, 2 PCI slots and 1 CNR slot for software Modem card. The motherboard is an in-house design. The server board has complete I/O functions including dual Intel 82559ER Fast

Ethernet controllers, which supports 10BaseT and 100BaseTX through RJ-45 connectors. Using SiS650/651 chipset, it allows the integrated VGA to share with system memory to save Video RAM. SMB-2501 offers one external AGP 4X slot for excellent VGA performance.

Specifications

Processor System	CPU	Intel® Pentium® 4/Celeron	
	Max. Speed	2.4GHz/1.8GHz	
	L2 Cache	512 KB/128 KB	
	Chipset	SiS650/651	
Bus	BIOS	Award 2 Mb Flash	
	Front Side Bus	400/533 MHz	
	PCI	32-bit/33 MHz	
Memory	Technology	DDR-266 SDRAM	
	Max. Capacity	3 GB	
	Socket	DDR-266 DIMM x 3	
Graphic	Controller	Integrated in SIS 650/651 with AGP 4X	
	VRAM	Shares with system memory up to 4/8/16/32/64MB	
Ethernet	Interface	10/100 Base-TX	
	Controller	Intel 82559ER x2	
	Connector	RJ-45 x2	
Expansion	AGP	1 AGP 4X slot	
	PCI	2 PCI bus slots	
	ISA	4 ISA bus slots*	
	CNR	1 CNR slot**	
I/O Interface	USB	2	
	Serial	2 (RS-232)	
	Parallel	1 (Optional)	
	PS/2	2 (mouse x1, keyboard x1)	
	CRT	1	
	IDE connector	2	
	FDD connector	1	
Operating System	Compatibility	Windows 98/ME/2000/XP, Red Hat Linux 7.x, FreeBSD 4.x, QNX R6.1	
	Environment	Temperature	Operating 0 ~ 50 °C (32 ~ 122 °F)
Humidity		5 ~ 85 % @ 40 °C (104 °F) 5 ~ 95 %	
Physical	Dimension (W x D)	304.8 x 243.9 mm (12" x 9.6")	
	Weight	0.85 Kg (1.87 lb)	

Note: * ISA slot doesn't support DMA mode

** CNR slot supports Modem only

Ordering Information

Model Name	Description
SMB-2501	Intel® Pentium® 4 (Northwood), SiS650 chipset

The Specifications are subject to change at any time without notice