



- SBC Single Board Computer - Full-Size SBC with AGP VGA Controller for Pentium II/III **AP-687VF**

● FEATURES

- Support Intel Pentium II/III CPU, up to 66/100 MHz FSB
- Intel 440BX Chipset
- SiS 6326 AGP VGA, on-board 4MB SGRAM, up to 8MB
- 1 x RS-232, 1 x RS-232/422/485 serial port
- 3 x DIMM, 2 x USB
- 4 x Ultra DMA-33 device
- Socket for DiskOnChip
- Watchdog Timer
- 8-layer PCB for better EMI shielding
- Special heat pipe design for better heat dispensation
- Flush mount CPU design, saves spaces for slots

● SPECIFICATION

CPU	Slot 1 Processor, Intel® Pentium II/III CPU
Chipset	Intel® 440BX chipset, SIS 6326 AGP, Winbond 83977EF I/O Chipset
BIOS	Award® BIOS
System Memory	3 x 168-pin DIMM sockets, support up to 768MB SDRAM
AGP VGA	SIS 6326 AGP on-board 4MB SGRAM display memory, resolution up to 1280x1024 24dpp (Expandable to 8MB)
Flash Memory Disk	Reserved socket for DiskOnChip® from M-System, support up to 144MB flash memory
IDE Drive Interface	2 x IDE port that support up to four IDE devices and Ultra DMA-33
Floppy Drive Interface	1 x FDD port, support up to 2 x floppy devices
Serial Port	2 x COM ports, 1 x RS-232 and 1 x RS-232/422/485
Parallel Port	1 x multi-mode parallel port (SPP/EPP/ECP)
Universal Serial Bus	Support 2 USB ports
IR Interface	Supports one IrDA header
Keyboard Connector	On-board 5-pin header and 6-pin Mini-Din PS/2 keyboard connector
Mouse Connector	On-board 6-pin Mini-Din PS/2 mouse connector
RTC	Dallas RTC module or compatible
DMA	8 DMA channels
Interrupts	16 levels of hardware interrupts
Hardware Monitor	Support CPU temperature alarm
Watchdog Timer	8-level time-out intervals (0.5/1/2/4/8/16/32/64sec.)
Operating Temperature	0°C ~ 60°C
Humidity	5%~95%, non-condense
Dimensions	338.5 x 122mm (13 1/4" x 4 5/6")
Chipset	Intel® 440BX
System memory	SDRAM up to 768MB
Memory module	DIMM x 3
AGP	SIS 6326 AGP chip On board 4MB display memory Resolution up to 1280 x 1024 24bpp
Solid State Disk	Flash disk (DiskOnChip) up to 144MB
Health Monitoring	Support CPU temperature alarm
On Board IDE	Ultra DMA/33 IDE port x2 (up to 4 IDE devices)
On Board I/O	Floppy port x 1 (up to 2 floppy devices) Serial ports x 2 (RS-232 x 1 & RS-232/422/485 x 1) Parallel port x 1 (SPP/EPP/ECP) PS/2 Keyboard connector x 2 (5pin & 6pin) PS/2 Mouse port x 1 (Mini-Din) USB ports x 2
Size	338 x 122 mm (13 1/4" x 4 5/6")

Notes:

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