

Low Power Solution



# FB2505

AMD LX-800 CPU Card with VGA/LCD, 2S1P, 2USB, LAN, Audio and CF Socket



### Features

- Fanless and low power consumption design
- AMD Geode LX-800 CPU+CS5536 Chipset
- Support 16-bit ISA Bus, without DMA transfer Function
- Onboard 128MB DDR RAM (FB2505)
- 1 SoDIMM Socket up to 1G DDR333/400 RAM (FB2505A)
- 10/100 Ethernet LAN with RJ45
- 40pin IDE connector up to 2 PCI IDE devices
- Support 2 RS-232 and 1 parallel port/1 Floppy
- 2 USB(V2.0) ports
- Socket for Compact flash V3.3 and MicroDrive
- Fanless and low power consumption design

### Specifications

<b>CPU:</b>	AMD Geode LX-800 (500MHz) Low Power CPU
<b>System Chipset:</b>	AMD Geode CS5536 Chipset
<b>Bus Interface:</b>	ISA and Non-Stack-Through PC/104 Bus
<b>RAM Memory:</b>	Onboard 128MB DDR RAM (FB2505) 200-pin SO-DIMM socket supports up to 1G DDR 333/400 RAM (FB2505A)
<b>Cache Size:</b>	Internal 64KB or above L2 cache inside the CPUs
<b>VGA Display:</b>	AMD LX800 chipset with shared memory architecture Or SMI712 chipset (FB2505A) Supports CRT and LCD interface
<b>Ethernet:</b>	Realtek RTL8100B chipset, supports 10/100 Base-TX with RJ-45 connector
<b>Super I/O:</b>	1 PCI IDE-One 40-pin 2.54mm IDC connector (1 CF socket) 1 FDC, 1 Parallel, 1 RS-232, and 1 RS-232/RS-422/RS-485 interface
<b>Keyboard/Mouse:</b>	PS/2 compatible with 6-pin JST 2.0
<b>USB:</b>	Built-in 2 USB(2.0) ports with USB Header
<b>Audio:</b>	Supports AC97 control lines for FB4641A Audio I/O module (FB2505A)
<b>BIOS:</b>	256KB AMI flash BIOS (including VGA/LCD BIOS and LAN boot-ROM)
<b>H/W Monitoring:</b>	Supports CPU temperature and Main/Aux. powers monitoring
<b>Watchdog:</b>	Software programmable
<b>RTC &amp; CMOS RAM:</b>	On-Board Lithium battery for CMOS data retention.
<b>Speaker:</b>	Support on-board buzzer
<b>Headers:</b>	TTL I/O-2 input lines and 2 output lines with header
<b>Power Connector:</b>	6-pin 2.5mm JST for stand alone applications
<b>LED Indicator:</b>	Power/Watchdog LED
<b>Power Req.:</b>	+5V Only – 1.3A (max.)
<b>EMI Considered:</b>	Add EMI components to COM ports, parallel port, CRT, and USB ports
<b>Dimensions:</b>	Compact size, 185 mm x 122 mm (7.28" x 4.80")
<b>Optional Item:</b>	<b>FB4641</b> -Audio I/O adapter board

### Ordering Information

Model	Description	Drivers
FB2505	AMD LX-800 CPU Card with Onboard 128MB DDR RAM,VGA, 2S1P, 2USB, LAN, Audio and CF Socket	* VGA 2K/XP * LAN Novell 3.X / 4.X, Win 95/98/NT Linux, NDIS, MSLAN*
FB2505A	AMD LX-800 CPU Card with Onboard 128MB DDR RAM,DDR RAM Socket, VGA/LCD, 2S1P, 2USB, LAN, Audio and CF Socket	* VGA 98/2K/XP * LAN Novell 3.X / 4.X, Win 95/98/NT Linux, NDIS, MSLAN * Audio Win2K/XP



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