

FB2504

Intel ULV Celeron CPU Card with VGA/LCD, 2S1P, 2USB, LAN, Audio and CF Socket



Features

- Intel ULV Celeron 400MHz CPU
- VIA VT8601T and VIA VT82C686B
- Onboard 32MB RAM and 1 SoDIMM socket
- Supports CRT up to 8MB
- Supports one 10/100 Ethernet LAN
- 40pin IDE connector up to 2 PCI IDE devices and one 44-pin connector IDC (1 CF socket)
- 2 Serial and 1 Parallel Port
- 1 PS/2 Keyboard Mouse port
- 2 USB(V1.1)
- Supports Audio function
- Fanless and low power consumption design

Specifications

| | |
|----------------------------|--|
| CPU: | Supports Intel ULV Celeron 400MHz CPU |
| System Chipset: | Chipset VIA VT8601T and VIA VT82C686B |
| Bus Interface: | ISA and Non-Stack-Through PC/104 Bus |
| RAM Memory: | On-Board 32MB (64 and 128MB is optional) and 1 SoDIMM socket (512MB max) |
| Cache Size: | Internal 64KB or above L2 cache inside the CPUs |
| VGA Display: | Supports CRT (VT8602 embedded) 2MB to 8MB |
| Ethernet: | Realtek RTL8100B chipset, supports 10/100 Base-TX with RJ-45 connector |
| Super I/O: | 2 PCI IDE-One 40-pin 2.54mm IDC connector and one 44-pin 2.0mm IDC (Optional 1 CF socket) 1 FDC, 1 Parallel, 1 RS-232, and 1 RS-232/RS-422/RS-485 with IrDA interface |
| Keyboard/Mouse: | PS/2 compatible with 6-pin JST 2.0 |
| USB: | Built-in 2 USB(V1.1) ports with USB connector |
| Audio: | Supports AC97 control lines for FB4644A Audio I/O module |
| SRAM Disk: | Optional 512KB SRAM disk with Lithium battery backup |
| BIOS: | 256KB AMI flash BIOS (including VGA/LCD BIOS and LAN boot-ROM) |
| H/W Monitoring: | Supports CPU temperature and Main/Aux. powers monitoring |
| Watchdog: | Software programmable |
| RTC & CMOS RAM: | On-Board Lithium battery for CMOS data retention. (Optional E2KEY for safe CMOS data keeping) |
| Speaker: | Supports on-board buzzer and header for external speaker |
| Headers: | TTL I/O-2 input lines and 2 output lines with header |
| Power Connector: | 6-pin 2.5mm JST for stand alone applications |
| LED Indicator: | Power/Watchdog LED |
| Power Req.: | +5V – 2.1A (max.) and +12V – 0.1A (max.) (Based on 400MHz CPU) |
| EMI Considered: | Add EMI components to COM ports, parallel port, CRT, and USB ports |
| Dimensions: | Compact size, 185 mm x 122 mm (7.28" x 4.80") |
| Optional Item: | FB4641 -Audio I/O adapter board |

Ordering Information

| Model | Description | Drivers |
|--------|---|---|
| FB2504 | Intel ULV Celeron CPU Card with VGA/LCD, 2S1P, 2USB, LAN, Audio, CF | * VGA Win98/NT/2K/XP, OS2 * LAN Novell 3.X / 4.X, Win 95/98/NT OS2, Linux, NDIS, MSLAN * Audio Win95/NT/2K/XP |



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