



# FB2504

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



## Features

- Fanless and power consumption design
- Intel ULV Celeron 400MHz CPU
- VIA VT8601T and VIA VT82C686B
- Onboard 32MB RAM and 1 SoDIMM socket
- 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
- 2 USB(V1.1) ports
- Supports Audio (Option)

## Specifications

|                            |  |
|----------------------------|--|
| <b>CPU:</b>                | Supports Intel ULV Celeron 400MHz CPU  |
| <b>System Chipset:</b>     | Chipset VIA VT8601T and VIA VT82C686B  |
| <b>Bus Interface:</b>      | ISA and Non-Stack-Through PC/104 Bus   |
| <b>RAM Memory:</b>         | On-Board 32MB (64 and 128MB is optional) and 1 SoDIMM socket (512MB max)   |
| <b>Cache Size:</b>         | Internal 64KB or above L2 cache inside the CPUs  |
| <b>VGA Display:</b>        | Supports CRT (VT8602 embedded UMA) 2MB to 8MB  |
| <b>Ethernet:</b>           | Realtek RTL8100B chipset, supports 10/100 Base-TX with RJ-45 connector   |
| <b>Super I/O:</b>          | 2 PCI IDE-One 40-pin 2.54mm IDC connector and one 44-pin 2.0mm IDC (Optional 1 CF socket)<br>1 FDC, 1 Parallel, 1 RS-232, and 1 RS-232/RS-422/RS-485 with IrDA interface |
| <b>Keyboard/Mouse:</b>     | PS/2 compatible with 6-pin JST 2.0   |
| <b>USB:</b>                | Built-in 2 USB(V1.1) ports with USB connector  |
| <b>Audio:</b>              | Supports AC97 control lines for FB4644A Audio I/O module   |
| <b>SRAM Disk:</b>          | Optional 512KB SRAM disk with Lithium battery backup   |
| <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. (Optional E2KEY for safe CMOS data keeping)  |
| <b>Speaker:</b>            | Supports on-board buzzer and header for external speaker   |
| <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 – 2.4A (max.) and +12V – 0.1A (max.) (Based on 400MHz CPU)   |
| <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   |
|--------|---|---|
| FB2504 | Intel ULV Celeron CPU Card with VGA/LCD, 2S1P, 2USB, LAN, Audio, CF | * VGA Win98/NT/2K/XP, OS2<br>* LAN Novell 3.X / 4.X, Win 95/98/NT OS2, Linux, NDIS, MSLAN<br>* Audio Win95/NT/2K/XP |



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