



## Low Power Solution

# FB2412 Vortex86DX 800M PC/104 CPU board

With VGA/LCD, 2S, 128MB RAM, LAN, 2USB and CF Socket



### Features

- Fanless and low power consumption design
- Vortex86DX 800MHz CPU
- Support 16-bit ISA Bus
- Supports CRT up to 4MB and LCD/LVDS (Option)
- Support OnBoard 128MB DDR2 RAM
- 10/100 Ethernet LAN
- 1 RS-232 and 1 RS232/485
- One 44pin IDE connector up to 2 PCI IDE devices
- 1 PS/2 KB/Mouse compatible with 6-pin 2.0mm JST 2.0
- 2 USB(V2.0) ports
- 1 Compact Flash socket

### Specifications

<b>CPU:</b>	Vortex86DX 800MHz Low Power CPU
<b>System Chipset:</b>	Vortex86DX Chipset
<b>Bus Interface:</b>	Stack-Through PC/104
<b>RAM Memory:</b>	On-Board 128MB
<b>Cache Size:</b>	L1: 16KB, L2: 256KB
<b>VGA Display:</b>	CRT-standard 15-pin D-sub connector (SMI712 Inside) 4MB
<b>Ethernet:</b>	Realtek RTL8100SC Chipset, Support 10/100 Base-T Ethernet
<b>I/O Connector:</b>	1 44-pin 2.0mm IDC connector for IDE 1 26-pin 2.0mm IDC Connector For LPT(FB2412A) 2 Serial Ports, 1 RS-232, and 1 RS-232/RS485 TTL I/O-2 input lines and 2 output lines
<b>Keyboard/Mouse:</b>	PS/2 compatible with 6-pin 2.0mm JST 2.0
<b>USB:</b>	Built-in 2 USB(V2.0) ports
<b>BIOS:</b>	AMI flash BIOS
<b>Watchdog:</b>	Software programmable
<b>RTC &amp; CMOS RAM:</b>	Embedded on-board Lithium battery
<b>Speaker:</b>	Supports 2-pin 2.54mm header for external speaker
<b>Headers:</b>	2-pin Reset
<b>Power Connector:</b>	4-pin 2.5mm JST connector
<b>LED Indicator:</b>	On-Board Power/Watchdog LED
<b>Power Req.:</b>	+5V only, 15VA (max.)
<b>Dimensions:</b>	90.2 mm x 95.9 mm

### Ordering Information

Model	Description	Drivers
FB2412	Vortex86DX 800MHz CPU board w/2S, 128MB RAM, VGA, LAN, 2USB and CF Socket	Win2K/XP/XPe/CE, and Linux
FB2412A	Vortex86DX 800MHz CPU board w/2S, 128MB RAM, VGA, LAN, 2USB, LPT and CF Socket	



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