



FB2402 Vortex86DX3 1GHz ISA and PC/104 CPU Card

w/2S, VGA, 4USB, LAN, Onboard RAM, SATA and CF Socket



Features

- Fanless and low power consumption design
- DMP Vortex86DX3 1GHz CPU
- Support VGA and LVDS LCD
- Onboard 512MB DDR3 RAM
- 1 10M/100M/1000M Ethernet LAN
- Supports 1 SATA connector and CF socket
- Supports 3 RS232 and 1 RS232/RS422/RS485 ports
- 4 USB(V2.0)
- ISA & PC/104 Bus

Specifications

CPU:	Vortex86DX3 1GHz
Cache Size:	L1:64KB, L2:512KB
System Chipset:	DMP Vortex86DX3
RAM Memory:	On-Board 512MB DDR3 RAM (Max:1GB)
VGA Display:	Vortex86DX3 VGA-standard 15-pin D-sub connector LCD-30-pin DF-13 connector and 5-pin 2.0mm JST for inverter (Optional)
Ethernet:	Realtek RTL8111H, 10/100/1000 Base-TX with RJ-45 connector
Super I/O:	1 RS-232 and 1 RS-232/RS422/RS-485 or 3 RS-232 and 1 RS-232/RS422/RS485 (Optional)
SATA/CF:	1 SATA connector, one CF socket
m-SATA/SD:	m-SATA socket (Optional) and SD Socket (Optional)
Keyboard/Mouse:	PS2 Connector (Min-DIN) and PS/2 compatible with 6-pin JST 2.0 (Optional)
USB:	Built-in 4 USB(V2.0) ports
BIOS:	AMI flash BIOS (including VGA BIOS and LAN boot-ROM)
Watchdog:	Software programmable
RTC & CMOS RAM:	On-Board Lithium battery for CMOS data retention.
Speaker:	Supports on-board buzzer and header for external speaker
Headers:	Reset, HDD/CF/m-SATA LED and Speaker header
LED Indicator:	Power LED
Bus Interface:	ISA and Non-Stack-Through PC/104 Bus
Power Connector:	6-pin 2.5mm JST for stand alone applications
Power Req.:	+5V Only , 24VA Max. (10.2VA Typical)
EMI Considered:	Add EMI components to COM ports, VGA, and USB ports
Dimensions:	Compact size, 185 mm x 122 mm (7.28" x 4.80")
Accessory:	One Serial port interface with bracket

Optional Item

- Accessory:**
 Y-type Keyboard and mouse port adapter cable (P/N: 7003000008G)
 One dual USB adapter cable with bracket (P/N: 7002020003G)

Ordering Information

Model	Description	Verified OS
FB2402	Vortex86DX3 1GHz CPU, w/2S,VGA,4USB, LAN, Onboard 512MB DDR3 RAM SATA and CF Socket	DOS6.22, Windows XPe /WES 7, and Linux



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