



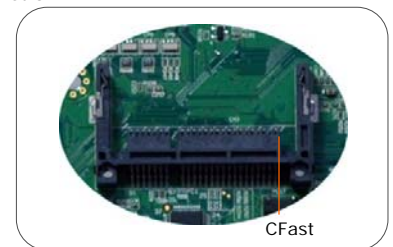
FB2648 Intel Atom N2600

All-In-One CPU Card with VGA/LVDS, 2S1P, 2LAN, 5USB, Audio and CFast Socket



Features

- Low Power Consumption Design
- Intel dual core CPU (Atom N2600 1.6GHz, 1M L2 Cache) and System Chipset (Atom N2600 + NM10)
- One So-DIMM Socket With up to 2GB DDR2-SDRAM
- Supports CRT/LVDS LCD and Intel DVMT Technology
- Supports 2 10/1000/1000 Base-T LAN
- 1 SATA Connector and 1 CFast socket
- 2 Serial and 1 Parallel Port
- Supports USB 2.0 five ports
- Support HD Audio Function



Specifications

| | |
|----------------------------|--|
| CPU: | Intel Atom N2600 1.6GHz |
| System Chipset: | Intel Atom N2600 + NM10 |
| Bus Interface: | Compact size slot card with PICMG PCI expansion bus |
| RAM Memory: | 1 204-Pin SoDIMM socket (DDR3-800/1066 SDRAM 2GB maximum) |
| Cache Size: | Internal 64KB(I)/48KB(W) and 1MB L2 cache inside the CPUs |
| VGA Display: | Intel Atom N2600 embedded, supports CRT(VGA), LVDS LCD and Intel DVMT Technology |
| Ethernet: | 2 Realtek RTL8111F chipset, supports 10/100/1000 Base-TX with RJ-45 connector |
| HDD: | 1 SATA Connector and 1 CFast Socket |
| Super I/O: | 1 Parallel, 1 RS-232, and 1 RS-232/RS-422/RS-485 |
| Keyboard/Mouse: | PS/2 compatible with 6-pin JST 2.0 |
| USB: | Built-in 5 USB(V2.0) ports |
| Audio: | Supports HD control lines for FB4706 Audio board |
| BIOS: | 2MB AMI flash BIOS (including VGA/LCD BIOS and PXE 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 |
| Speaker: | Supports on-board buzzer and header for external speaker |
| TTL I/O: | Supports 8 programmable I/O pins with header |
| Power Connector: | 10-pin 2.5mm ATX Connector for stand alone applications |
| Power Req.: | +5V -1.3A (Typical)/5.7A (max.) and +12V - 0.25A (max.) (For Fan) |
| Operating Temp.: | 0°C ~ 60°C (32°F ~ 140°F) |
| 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

- FB4706 Audio Adapter Board with cable.(PN:0103020022G-11)
- Y-Type keyboard and mouse port adapter cables.(PN:7003000008G)

Ordering Information

| Model | Description | Verified OS |
|--------|--|-----------------------------------|
| FB2648 | Intel Atom N2600 1.6GHz CPU with 2S1P, VGA/LVDS,Audios, 2 Giga LANs, 5 USB and CF/Mini Card Socket | Windows 7, XP Embedded, and Linux |



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