



# FB2607 Intel Atom N2600

All-In-One CPU Card with VGA/LVDS, 2S1P, LAN, 4USB, Audio and CFast Socket

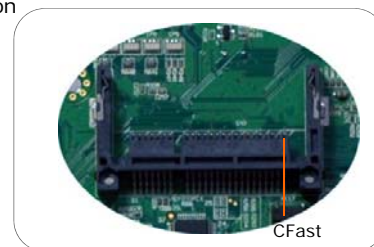


### Features

- Fanless and low power consumption design
- Intel dual core CPU (Atom N2600 1.6GHz, 1M L2 Cache) and System Chipset (Atom N2600 + NM10)
- 1 SoDIMM socket supports up to 2GB DDR3 RAM
- Supports CRT/LVDS LCD and Intel DVMT Technology
- ISA and PC/104 expansion buses
- One 10/100/1000 Base-T LAN
- 1 SATA Connector and 1 CFast socket
- 2 Serial and 1 Parallel Port
- Supports USB 2.0 four ports
- Support HD Audio Function

### Specifications

<b>CPU:</b>	Intel Atom N2600 1.6 GHz CPU with heat sink
<b>System Chipset:</b>	Intel Atom N2600 + NM10
<b>Bus Interface:</b>	ISA + PC/104
<b>RAM Memory:</b>	1 204-Pin SoDIMM socket (DDR3-800/1066 SDRAM 2GB maximum)
<b>Cache Size:</b>	Internal 64KB(I)/48KB(W) and 1MB L2 cache inside the CPUs
<b>VGA Display:</b>	Intel N2600 embedded, supports CRT(VGA), LVDS LCD and Intel DVMT Technology
<b>Ethernet:</b>	Build-In RTL8111F chipset, supports 10/100/1000 Base-TX with RJ-45 connector
<b>HDD:</b>	1 SATA Connector and 1 CFast Socket
<b>Super I/O:</b>	1 Parallel, 1 RS-232, and 1 RS-232/RS-422/RS-485
<b>Keyboard/Mouse:</b>	PS/2 compatible with 6-pin mini-DIN connector and 6-pin 2.0mm JST connector
<b>USB:</b>	Built-in 4 USB(V2.0) ports with two 10-pin 2.54mm headers
<b>Audio:</b>	Supports HD control lines for FB4706 (Audio adaptor board is optional)
<b>BIOS:</b>	2MB AMI flash BIOS (including VGA/LCD BIOS and PXE LAN boot-ROM)
<b>H/W Monitoring:</b>	Supports system 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
<b>Speaker:</b>	Supports on-board buzzer and header for external speaker
<b>GPIO:</b>	Supports 8 programmable I/O pins with header
<b>Power Connector:</b>	10-pin ATX connector for stand alone applications
<b>Power Req.:</b>	+5V -1.3A (Typical)/6.0A (max.) and +12V - 0.25A (max.) (For Fan)
<b>Operating Temp.:</b>	0°C ~ 60°C (32°F ~ 140°F)
<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")



### 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
FB2607	All-In-One Intel Atom N2600 1.6GHz Low-Power CPU Card with VGA, 2S1P, 4USB, LAN, Audio and CFast Socket	Windows 7, XP Embedded, and Linux

