



# FB2647 Intel Atom-N270

All-In-One CPU Card with VGA/LVDS,2S,2LAN,5USB,Audio and CF/Mini Card Socket

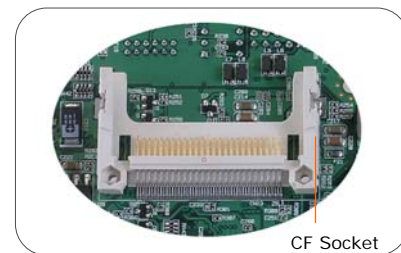


### Features

- Low Power Consumption Design
- Intel Atom N270 1.6GHz CPU
- Intel 945GSE+ICH7M Chipset
- One So-DIMM Socket With up to 2GMB DDR2-SDRAM
- Software Programmable Watchdog
- Supports USB 2.0 five ports
- Supports 2 10/1000/1000 Base-T LAN
- Support HD Audio Function

### Specifications

<b>CPU:</b>	Intel Atom-N270 1.6GHz
<b>System Chipset:</b>	Intel 945GSE+ICH7M
<b>Bus Interface:</b>	Compact size slot card with PICMG PCI expansion bus
<b>RAM Memory:</b>	One 200-pin So-Dim socket Support DDR-400/533 SDRAM (2GB maximum)
<b>Cache Size:</b>	Internal Cache 32KB(I),24K(W)/512KB inside CPUs
<b>VGA Display:</b>	Intel945GSE embedded, supports CRT(VGA)/LVDS and Intel DVMT Technology
<b>Ethernet:</b>	2 Realtek RTL8111c chipset, supports 10/100/1000 Base-TX with RJ-45 connector
<b>HDD:</b>	2 SATA connector and one Compact Flash Socket Type II
<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 JST 2.0
<b>USB:</b>	Built-in 5 USB(V2.0) ports
<b>Audio:</b>	Supports HD control lines for FB4706 Audio board
<b>BIOS:</b>	512KB AMI flash BIOS (including VGA BIOS and LAN PXE 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.
<b>Speaker:</b>	Supports on-board buzzer
<b>TTL I/O:</b>	2 input lines and 2 output lines with header
<b>Power Connector:</b>	10-pin 2.5mm ATX Connector for stand alone applications
<b>LED Indicator:</b>	Power/Watchdog/LAN/HDD LED
<b>Power Req.:</b>	+5V – 2.88A (Typical)/5.74A (max), and +12V –0.25A (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")



CF Socket

### Optional Item

- 2 ports USB adaptor cable with bracket
- FB4706 Audio Adapter Board with cable
- Y-Type keyboard and mouse port adapter cables

### Ordering Information

Model	Description	Verified OS
FB2647	Intel Atom-N270 1.6GHz CPU with 2S1P, VGA/LVDS,Audios, 2 Giga LANs, 5 USB and CF/Mini Card Socket	Windows 2000/XP/7, XP Embedded, and Linux



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