



Features :

- Intel®945GSE+ICH7M based, onboard Intel® Atom N270 Processor with 533MHz FSB
- 1x 200-Pin SO-DIMM, support DDR II 400/533MHz, capacity up to 2GB
- LVDS/VGA/HDMI video output supported, Support dual independent display
- 1x Gigabit Ethernet
- 2x SATA II /8x USB2.0/4x COM/1x PC104+/1x Mini PCI-E/1x CF



Fanless



Compact Flash



DID



LVDS



USB 2.0



Gigabit Ethernet



Serial ATA



One Key restore



BIOS Security

Specifications

System	
Product Type	3.5"
Processor	Onboard Intel®Atom N270 (1.6GHz frequency, L2 cache 512KB, 533MHz FSB)
System Memory	1x 200-Pin SO-DIMM, DDR II 400/533MHz up to 2GB
Chipset	Intel®945GSE+ICH7M
I/O Chipset	Winbond W83627HG
Ethernet	Realtek 8111C, 10/100/1000Mbps, 1x RJ-45
BIOS	8M-bit SPI Flash BIOS
Wake On LAN	Yes
Watchdog Timer	Generates a time-out system reset
H/W Status Monitoring	Supports Power Supply Voltages, Fan Speed and Temperature Monitoring
Expansion Interface	1x PC/104+, 1x Mini PCI-E
Battery	Lithium battery
Power Requirement	Single Power(+12V)
Board Size	5.7"×4"(145mm×102mm)
Operating Temperature	32°F ~ 140°F (0°C ~ 60°C)
Storage Temperature	-40°F ~ 176°F (-40°C ~ 80°C)
Operating Humidity	0%~95% relative humidity, on-condensing
Display	
Chipset	Intel®945GSE integrated GMA950
Memory	Dynamic share 224MB system memory for graphic memory
Resolutions	Up to 2048x1536@85(QXGA) Hz for CRT Up to 1920×1080@60 Hz(1080P) for HDMI
VGA	1x DB15
LCD Interface	18-bit single/dual channel LVDS
HDMI	1x HDMI
Dual-Display	VGA+HDMI, HDMI+LVDS support dual independent display
I/O	
Storage	2x SATA II, 1 x type II Compact Flash
Serial Port	3x RS-232, 1x RS-232/422/485
Parallel Port	N/A
USB	8x USB2.0
Keyboard and Mouse	1x Keyboard and Mouse port, 2×4 Header
Digital I/O	Support 8-bit digital I/O(programmable)
IrDA	1x IrDA Tx/Rx Header
Audio	Realtek ALC888, support Line-out, LINE-in, MIC-IN

Packing List

- **0042541219**
Jumper
- **0600400019**
Keyboard/Mouse Cable
- **0260560019**
Serial port cable
- **0470120009**
SATA Cable
- **0360250019**
USB Cable with shielding
- **0710350070**
Audio Cable
- **Utility CD**
- **User's Manual**
- **Warranty card**
- **EMB-3850**

Ordering Information

- **EMB-3850-V10**
3.5" board, onboard Intel Atom N270, Single Power(+12V), DDR II 400/533MHz, VGA+HDMI+LVDS, Gig Lan, 2x SATA II, 8x USB, 4x COM, 1x PC/104+ Slot, 1x Mini PCI-E slot, Audio, Version 1.0

Optional Accessories

- **AFC-410T-0413920039-V20**
LVDS to TTL
- **AFC-410V-0413920019**
LVDS to VGA
- **AFC-410D-0413920029-V20**
LVDS to DVI