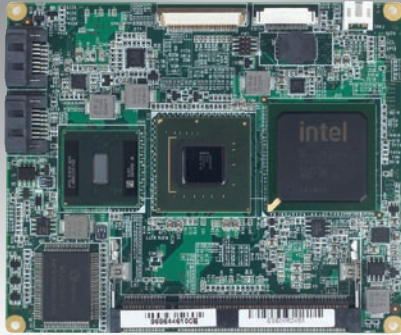


SOM-4461

Intel® Atom™ N270 ETX CPU Module

NEW



Features

- Embedded Intel ATOM N270 1.6 GHz processor with low power consumption
- Intel Atom N270+ 945GSE+ ICH7M
- Supports one DDR2 SODIMM up to 2 GB
- Intel GMA950, Microsoft DirectX* 9.1
- Support multiple display: VGA, LVDS, SDVO, TV out
- Intel 10/100 Mbps LAN
- Expansion: 4 PCI master, ISA
- 4 x USB 2.0, 2 x SATA on board, 1 EIDE, 2 COMs, FDD/LPT port



Specifications

Form Factor		ETX 3.0
Processor System	CPU	Embedded Intel ATOM N270 1.6 GHz processor
	Front Side Bus	533 MHz FSB
	System Chipset	Intel 945GSE/ ICH7M
	BIOS	AWARD™ 8 Mbit Flash BIOS
Memory	Technology	DDR2 400/533 MHz
	Max. Capacity	up to 2 GB
	Socket	1 x 200-pin SODIMM socket
Display	Chipset	Intel 945GSE
	VRAM	DVMT 3.0 support up to 224 MB
	Graphic Engine	Intel GMA950, Microsoft DirectX* 9.1
	LVDS	36-bit LVDS
	VGA	up to 2048 x 1536
	DVI	N/A
	TV Out	Supports NTSC/PAL, S-Video and Composite Output interfaces
	SDVO	1 SDVO Port
Ethernet	Dual Display	CRT + LVDS, TV out + LVDS, TV out + CRT (Note: SDVO function is supported by customized BIOS)
	Chipset	Intel 82562GZ 10/100Mbps Ethernet
WatchDog Timer	Speed	10/100Base-T
Expansion		256 levels timer interval, from 0 to 255 sec or min setup by software, jumperless selection, generates system reset
I/O		4 x PCI master, ISA
	PATA	1 x EIDE (UDMA 100)
	SATA	2 x SATA (On ETX CPU module)
	USB	4 x USB 2.0
	Audio	Realtek ALC203 AC97 Codec support Line-in / out, MIC-in
	GPIO	2-bit GPIO (Support by customized BIOS)
	COM	2 COM ports
	FDD/LPT	1 x FDD or LPT
Power	SSD	N/A
	Power Type	ATX, AT
	Power Supply Voltage	+5V only (+5VSB needs for ATX)
	Power Consumption (Typical)	Typical: (1 GB DDRII 533) +5 V @ 1.15 A
Environment	Power Consumption (Max, test in HCT)	Max: (1 GB DDRII 533) +5 V @ 1.98 A
	Operating Temperature	0 ~ 60° C (32 ~ 140° F)
Mechanical	Operation Humidity	0% ~ 90% relative humidity, non-condensing
	Dimension	114 x 95 mm (4.5" x 3.74")

