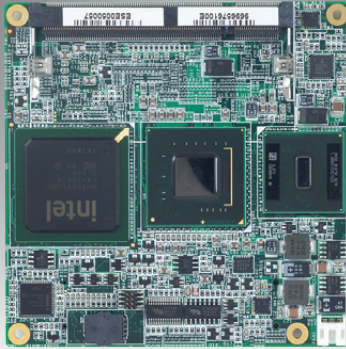


SOM-6761

Intel® Atom™ Processor N270 COM Express® Compact Module



Features

- Embedded Intel® Atom™ Processor N270 1.6 GHz + 945GSE+ICH7M
- Intel® GMA950, 250MHz, supports DirectX9.1, OpenGL
- Supports VGA, 18-bit 2-CH LVDS, TV-out, 1 SDVO
- Supports one DDR2-533 memory SODIMM socket up to 2 GB
- Supports 3 PCIe x1, 4 PCI Master, LPC, 2 SATA, 1 IDE, 8 USB 2.0, 1 GbE, AC97/HDA
- Supports SUSIAccess and Embedded Software APIs

Software APIs:



Watchdog



I²C



SMBus



H/W Monitor



GPIO



Backlight On/Off



Specifications

Form Factor		COM Express Compact Module, Type II Pin-out.
Processor System	CPU	Embedded Intel Atom Processor N270 1.6 GHz
	Front Side Bus	533 MHz
	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 supports up to 224 MB
	Graphics Engine	Intel GMA950, 250 MHz, support DirectX9.1, OpenGL
	LCD	18-bit 2-CH LVDS
	VGA	Up to 2048 x 1536
	TV Out	Supports NTSC/PAL, S-Video and Composite Output interfaces
	SDVO	1 SDVO Port (Note: SDVO function is supported by customized BIOS)
	Dual Display	CRT + LCD, TV-out + LCD, TV-out + CRT
Ethernet	Chipset	Intel 82574L Gigabit Ethernet
	Speed	10/100/1000 Mbps
WatchDog Timer		256 timer intervals, from 0 to 255 sec or min setup by software, jumperless selection, generates system reset
Expansion		3 PCIe x 1 (1 PCIe x4 optional), 4 PCI Master, LPC, SMBus, I²C, 4 PCI master
I/O	PATA	1 IDE (UDMA 100)
	SATA	2 SATA (1.5Gb/s)
	USB	8 USB 2.0
	Audio	AC97, High definition audio interface
	GPIO	8-bit GPIO
Power	Power Type	ATX, AT
	Power Supply Voltage	+12 V, and +5 VSB for ATX, +12 V for AT
	Power Consumption (Typical)	Typical: (1 GB DDRII 533) +12 V @ 0.62 A
	Power Consumption (Max, test in HCT)	Max: (1 GB DDRII 533) +12 V @ 0.9 A
Environment	Operating Temperature	0 ~ 60° C (32 ~ 140° F)
	Humidity	Operating: 40° C @ 95% relative humidity, non-condensing Storage: 60° C @ 95% relative humidity, non-condensing
Mechanical	Dimensions	95 x 95 mm (3.74" x 3.74")

