

# SOM-6761

## Intel® Atom™ N270 COM-Micro CPU Module

NEW



### Features

- Embedded Intel® Atom™ N270 1.6 GHz processor with low power consumption
- Intel Atom N270+ 945GSE+ ICH7M
- Intel GMA950, Microsoft DirectX 9.1
- Supports multiple displays: VGA, LVDS, SDVO, TV out
- Intel 10/100/1000 Mbps LAN
- Supports 3 PCIe x 1 or 1 PCIe x 4, 4 PCI devices
- Supports 2 SATA ports, 8 USB2.0 ports



### Specifications

Form Factor		COM-Micro, Module Pin-out Type II
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 supports up to 224 MB
	Graphics Engine	Intel GMA950, Microsoft DirectX 9.1
	LCD	36-bit LVDS
	VGA	up to 2048 x 1536
	TV Out	Supports NTSC/PAL, S-Video and Composite Output interfaces
	SDVO	1 SDVO Port
	Dual Display	CRT + LCD, TV out + LCD, TV out + CRT (Note: SDVO function is supported by customized BIOS)
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		LPC, SMBUS, 3 PCIe x 1 or 1 PCIe x 4, 4 PCI master
I/O	PATA	1 x EIDE (UDMA 100)
	SATA	2 x SATA, data transfer rates up to 150 MB/s
	USB	8 x 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)
	Operating Humidity	0% ~ 90% relative humidity, non-condensing
Mechanical	Dimensions	95 x 95 mm (3.74" x 3.74")

