

# WADE-8170

Intel® Atom™ N270 Processor based Mini-ITX Board with Dual Display, Dual Gigabit Ethernet, Two SATA Ports, Two COM ports and Eight USB Ports



## FEATURES

- Intel® ATOM™ N270 1.6GHz processor
- Intel® 945GSE and ICH7-M chipset
- 12V, 15V~24V DC Power Input
- One 200-pin SO-DIMM supports single channel DDR2 SDRAM up to 2GB
- Dual display: VGA / LVDS / DVI / TV-Out , 3rd display via riser card
- One PCI expansion slot (Two PCI & one PCI-Expansion x 1 slots via riser card)
- Two SATA, one Compact Flash socket & one IDE connector

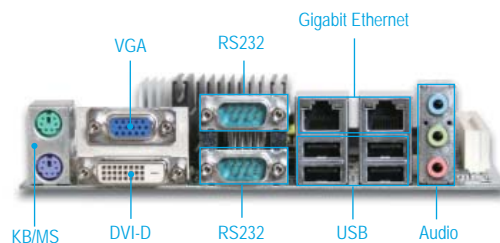
SYSTEM	
CPU	Intel® Atom™ N270 1.6GHz processor
FSB	533 MHz
BIOS	Award BIOS
System Chipset	Intel® 945GSE GMCH and ICH7-M
System Memory	One 200-pin SO-DIMM supports single channel DDR2 SDRAM up to 2GB
Storage	- 2 x SATA - 1 x 40 pin IDE
SSD	1 x Compact Flash share the same channel with IDE and support UDMA
Watchdog Timer	Programmable via S/W from 1sec. to 255min.
H/W Status Monitor	FAN Speed(CPU and System), Temperature(CPU and System), Voltage, Case open function
GPIO	Onboard programmable 8-bit Digital I/Os
Expansion	1 x PCI slot, 1 x PCI-Ex1 slot through Riser card

I/O	
MIO	1 x EIDE, 2 x RS-232 ports, 1 x K/B, 1 x Mouse, 1 x S-Video header
IrDA	N/A
USB	4 x USB 2.0 ports and 4 x USB 2.0 with header
Audio Interface	Mic-in, Line-out, Line-in
Ethernet Interface	IEEE 802.3 10/100/1000BASE-T Gigabit Ethernet compliant

DISPLAY	
Chipset	Intel® 945GSE GMCH Integrated Intel® GMA 950 graphics
Display Memory	Intel® DVMT 3.0 share system memory up to 128MB
Resolution	-Analog Display: Up to 2048 x 1536 (QXGA) -Digital LVDS: Up to 1600 x 1200(UXGA) -Digital DVI: Up to 1600 x 1200(UXGA)
LVDS	Dual Channel 18-bit
DVI	DVI-D interface

MECHANICAL & ENVIRONMENTAL	
Power Requirement	DC Input
Operating Temperature	0~60°C
Operating Humidity	5%-95% non-condensing
Size (L x W)	6.69" x 6.69" (170mm x 170mm)

## REAR I/O



## SOLDER SIDE



## ORDERING GUIDE

### ■ WEDE-8170

Intel® Atom™ N270 1.6GHz processor Based Mini-ITX Board with VGA, 18bit LVDS, DVI, Dual LAN, Two COM Ports and Eight USB 2.0 Ports