

# WADE-8071

Intel® Low Power Atom™ N270 1.6GHz Processor based Mini-ITX Board with DC12V input, dual display, Gigabit Ethernet, Two SATA Ports, Two COM ports and Six USB Ports support thin client application



## FEATURES

- Intel® ATOM™ N270 1.6GHz processor
- Intel® 945GSE and ICH7-M chipset
- One 200-pin SO-DIMM supports single channel DDR2 SDRAM up to 2GB
- Dual display: VGA / LVDS, 3rd display via PCI-Express x1 graphic card
- One PCI-Express x1 expansion slot
- 12V DC Input
- 20mm height supports thin client application

### SYSTEM

<b>CPU</b>	Intel® Atom™ N270 1.6GHz processor
<b>FSB</b>	533/667 MHz
<b>BIOS</b>	Award BIOS
<b>System Chipset</b>	Intel® 945GSE GMCH and ICH7-M
<b>System Memory</b>	One 200-pin SO-DIMM supports single channel DDR2 SDRAM up to 2GB
<b>Storage</b>	2 x SATA, 1 x IDE
<b>SSD</b>	1 x Compact Flash share the same channel with IDE and support UDMA
<b>Watchdog Timer</b>	Programmable via S/W from 1sec. to 255min.
<b>H/W Status Monitor</b>	FAN Speed(CPU and System), Temperature (CPU and System), Voltage, Case open function
<b>GPIO</b>	Onboard programmable 8-bit Digital I/Os
<b>Expansion</b>	1 x PCI-Express slot

### I/O

<b>MIO</b>	1 x IDE, 2 x RS232 ports, 1x K/B, 1 x Mouse, 1 x CF
<b>USB</b>	4 x USB 2.0 ports and 2 x USB 2.0 with header
<b>Audio Interface</b>	Mic-in, Line-out
<b>Ethernet Interface</b>	IEEE 802.3 10/100/1000 BASE-T Gigabit Ethernet compliant

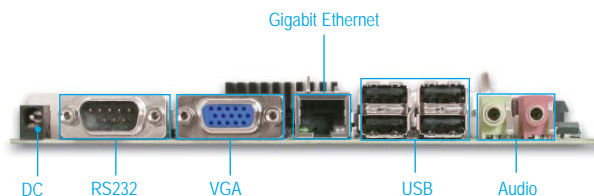
### DISPLAY

<b>Chipset</b>	Intel® 945GSE GMCH Integrated Intel® GMA 950 graphics
<b>Display Memory</b>	Intel® DVMT 3.0 share system memory up to 128MB
<b>Multi Display</b>	- Analog Display: Up to 2048 x 1536 (QXGA) - Digital LVDS: Up to 1600 x 1200(UXGA)
<b>LVDS</b>	Dual Channel 18-bit and 24-bit output

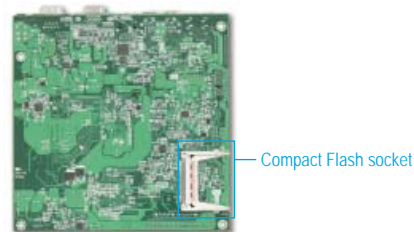
### MECHANICAL & ENVIRONMENTAL

<b>Power Requirement</b>	DC Input
<b>Operating Temperature</b>	0-60°C
<b>DC Input</b>	10%-90% non-condensing
<b>Dimension</b>	6.69" x 6.69" (170mm x 170mm)

## REAR I/O



## SOLDER SIDE



## ORDERING GUIDE

### ■ WEDE-8071

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