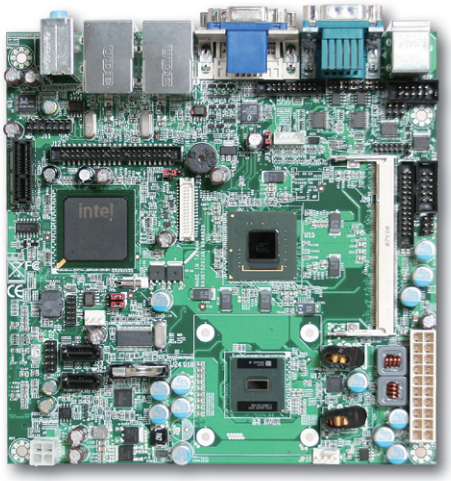
WADE-8070

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



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 / DVI, 3rd display via PCI-Express x1 graphic card
- One Mini-PCI and one PCI-Express x1 expansion slot
- Two SATA, one Compact Flash socket & one IDE connector

Built with Intel® mobile 945GSE chipset, WADE-8070 takes advantage of Intel® Atom™ N270 technologies. WADE-8070 features with its low power and also can provide multiple displays such as LVDS, VGA and DVI. In addition, WADE-8070 has one SO-DIMM socket which supports DDR2 SDRAM, dual Gigabit Ethernet, two RS232 serial ports, two SATA, one Mini PCI socket and one PCI-Express x1 expansion slot. WADE-8070 is not only a suitable choice for fanless usage but also the best solution for POS, Medical, Gaming and Digital Signage applications.

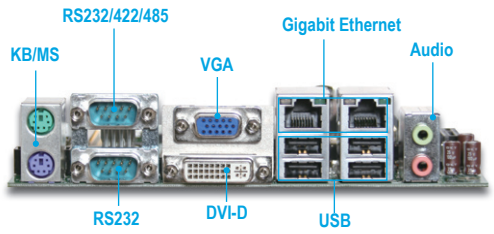
SYSTEM	
CPU	Intel® ATOM™ N270 1.6GHz processor
FSB	533 MHz
BIOS	Award BIOS
System Chipset	Intel® 945GSE GMCH and ICH7-M Chipset
System Memory	One 200-pin SO-DIMM supports single channel DDR2 SDRAM up to 2GB
Storage	- 2 x SATA - 1 x IDE
SSD	1 x Compact Flash share the same channel with IDE and support 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 Mini-PCI socket, 1 x PCI-Express x1 slot

I/O	
MIO	1 x EIDE, 3 x RS232 port, 1x K/B, 1 x Mouse, 1 x RS232/422/485 selectable
IrDA	N/A
USB	4 x USB 2.0 ports and 2 x USB 2.0 with header
Audio Interface	Mic in and Line-out, High Definition Audio 5.1 channel
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)
LVDS	18-bit, dual Channel

MECHANICAL & ENVIRONMENTAL	
Power Requirement	+12V(CPU) @ 0.17A; +12V(System) @ 0.24A; +5V @ 1.31A; +3.3V @ 0.55A
Operating Temperature	0~60°C
Operating Humidity	10%~90% non-condensing
Size (L x W)	6.69" x 6.69" (170 mm x 170 mm)

REAR I/O



※DVI-I connector support DVI-D signal only

ORDERING GUIDE

- **WADE-8070**
  Intel® ATOM™ N270 1.6GHz processor Based Mini-ITX Board with VGA, 18bit LVDS, DVI, Dual LAN, Four COM Ports and Six USB 2.0 Ports

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