



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

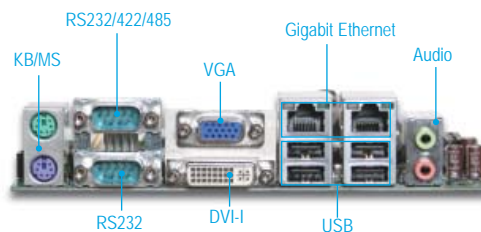
SYSTEM

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 SW 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

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

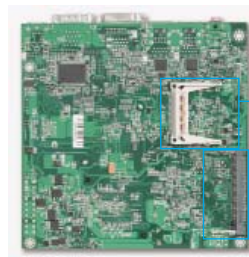
I/O

MIO	1 x EIDE, 3 x RS232 port, 1x K/B, 1 x Mouse, 1 x RS232/422/485 selectable
USB	4 x USB 2.0 ports and 2 x USB 2.0 with header
Audio Interface	Mic in and Line-out
Ethernet Interface	IEEE 802.3 10/100/1000BASE-T Gigabit Ethernet compliant (Realtek 8111C)

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)
Multi Display	18-bit, dual Channel LVDS / VGA / DVI-D (Chrontel CH7307)

SOLDER SIDE



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

■ PEP-5B1X1

One PCI-E x1 riser card