

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~24V DC Power Input
- One 200-pin SO-DIMM supports single channel DDR2 SDRAM up to 2GB
- Dual display: VGA / LVDS / DVI, 3rd display via PCI or PCI-Express expansion slot
- One PCI and one PCI-Express x1 expansion slot (Riser Card)
- Two SATA, one Compact Flash socket & one IDE connector

Built with Intel® mobile 945GSE chipset, WADE-8170 takes advantage of Intel® Atom™ N270 technologies. WADE-8170 features with its low power and also can provide multiple displays such as LVDS, VGA, TV-out and DVI. In addition, WADE-8170 has one SO-DIMM socket which supports DDR2

SDRAM, dual Gigabit Ethernet, two RS232 serial ports, two SATA, one PCI slot and one PCI-Express x1 expansion slot. Base on 12V~24V DC power input design, WADE-8170 can be best solution for POS, Medical, Gaming and Digital Signage applications.

SYSTEM

CPU	Intel® ATOM™ N270 1.6GHz processor
FSB	533MHz
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 SW from 1sec. to 255min.
H/W 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	NA
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

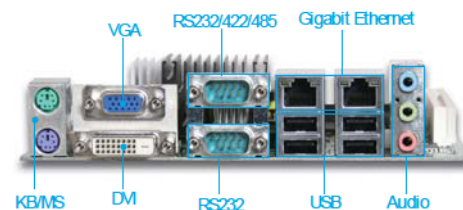
DISPLAY

Chipset	Intel® 945GSE GMCH Integrated Intel® GMA 950 graphics
Graphic Memory	Intel® DMMT 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	TBD
Operating Temperature	0-60°C
Operating Humidity	10%-90% non-condensing
Dimension	6.69" x 6.69" (170mm x 170mm)

REAR I/O



ORDERING GUIDE

■ WADE-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

- * Specifications are subject to change without notice.
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