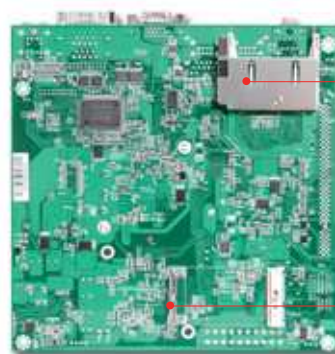
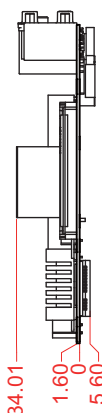
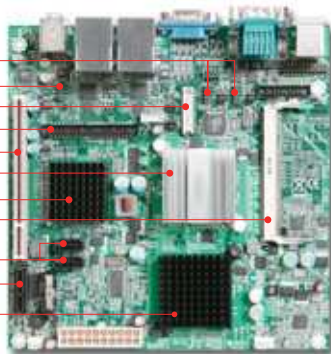


WADE-8072

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

Dual RS232 ports
Two USB ports
LVDS
IDE connector
One PCI slot
Intel® 945GSE
Intel® ICH7-M
SODIMM socket
Two SATA II ports
One PCIe x1 slot
Intel® N270



CF socket

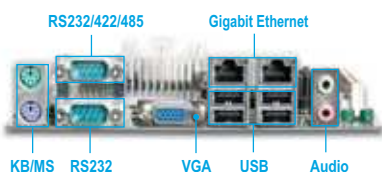
Mini PCIe x1 socket

Based on the Intel® mobile 945GSE chipset, WADE-8072 takes advantage of Intel® Atom™ N270 technologies. This low power, fanless model, WADE-8072, makes it most suitable for POS, Medical, Industrial Control and Digital Signage applications.

FEATURES

- Intel® Atom™ N270 1.6GHz processor
- Intel® 945GSE and ICH7-M chipset
- One 200-pin SODIMM supports single channel DDR2 SDRAM up to 2GB
- Dual display: VGA/LVDS, 3rd display via expansion slot
- Two SATA, one Compact Flash socket & one IDE connector
- One PCI slot, one PCIe x1 expansion slot and one Mini-PCIe socket
- Three RS232 ports and one RS232/422/485 port

REAR I/O



ORDERING GUIDE

AB1-3353	WADE-8072 Mini-ITX ESB.945GSE+N270 processor.w/DDR2 SDRAM/VGA/LVDS/Dual GbE Ethernet/COM/Audio
AA1-3027	PEP-581R. 1 Slot Riser Card for Right Expansion.1xPCI.For WADE-8134/8144

PACKING LIST

One WADE-8072 Mini-ITX Main Board
One Installation CD
One SATA Cable
One COM Cable
One LPT Cable
One I/O shield

GENERAL

Processor	- Intel® Atom™ N270 (1.60GHz, 2.5W) processor in PBGA 437 package, L2 Cache 522 KB - FSB 533MHz - Supports Intel® Hyper-Threading Technology, Enhanced Intel SpeedStep® Technology, Thermal Monitoring Technologies, Execute Disable Bit
Chipset	Intel® 82945GSE Graphics and Memory Controller (6W) and ICH7M
BIOS	Award BIOS
Memory	Supports single channel up to 2GB DDR2 400/533 MHz SDRAM on one 200-pin SODIMM socket
Storage Devices	- 2x SATA port 3.0Gb/s data transfer rate - 1x IDE connector supports Ultra DMA100/66/33 MB/s
Watchdog Timer	Programmable via S/W from 1 sec. to 255 min.
Hardware Monitoring	FAN Speed (CPU & System), Temperature (CPU & System), Voltage, Case open function

I/O INTERFACE

Super I/O	Winbond W83627UHG
Audio	- Intel® 945GSE built-in High Definition Audio up to 96-kHz 24-bit - Realtek ALC662-GR, 5.1 channels - Audio Jack DIP Light Pink/Lime
Ethernet	Realtek 8111C Dual Gigabit Ethernet controller
Serial Port	- 1x RS232 port on rear I/O - 1x RS232/422/485 selectable on rear I/O - 2x RS232 port on pin header
USB	- 4x USB 2.0 ports on rear I/O - 2x USB 2.0 ports on board with header - 480 Mb/s bus capable of high-speed/full-speed/low-speed data ranges
Keyboard & Mouse	1x PS/2 Keyboard & Mouse on rear I/O
GPIO	On board programmable 8-bit Digital I/Os
Other	- 1x TPM pin header - 1x parallel port on pin header

DISPLAY

Graphic Controller	- Intel® 945GSE Integrated Graphics Media Accelerator (GMA) 950 supports hardware acceleration of video decode standards MC, DirectX 9.0c - Intel® Dynamic Video Memory Technology (Intel® DVMT 3.0)
Display Interface	- VGA: dual channel 24-bit VGA, analog resolution up to 2048x1536 (QXGA) - LVDS: Digital LVDS resolution up to 1600x1200 (UXGA)

Mechanical & Environment

Dimension	170(L) x 170(W)mm; 6.69"(L) x 6.69"(W)
Power Supply	- Typical: +12V(System)@0.35A; +5V@2.44A; +3.3V@0.82A - Supports ATX mode
Environment	- Operation Temperature: 0°C to 60°C - Relative Humidity: 5% to 95%, non-condensing
MTBF	Over 140,000 hours at 40°C

