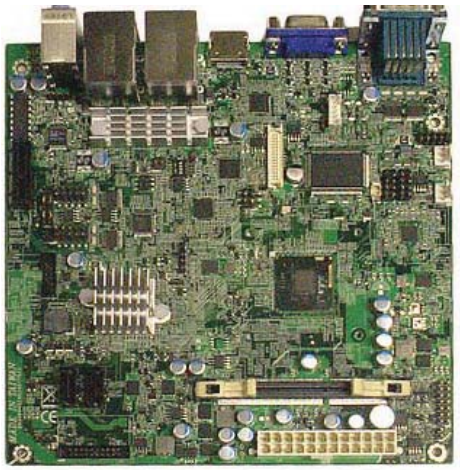
WADE-8077

Intel® 3rd Gen Atom™ (Cedar Trail) Processor based Mini-ITX Board with dual display, Gigabit Ethernet, Two SATA Ports, Four COM ports and Six USB Ports



FEATURES

- Intel® Atom™ Cedar Trail processor
- Intel® NM10 Chipset
- One 204-pin SO-DIMM supports single channel DDR3 SDRAM up to 4GB
- Dual display: VGA / LVDS / HDMI, 3rd display via PCI-Express x1 graphic card
- One Mini-PCIe and one PCI-Express x1 expansion slot
- Two SATA

ORDERING GUIDE

WADE-8077	WADE-8077 Mini-ITX ESB.NM10 Chipset support IIntel Atom Cedar Trail Processor.w/DDR3 SDRAM/ VGA/LVDS/HDMI, Dual Ethernet/Audio

GENERAL

Processor	- Support Intel® Atom™ D2550 Cedar Trail Dual Core Processor Optional (N2600/ N2800) Processor - Support Intel® Hyper-Threading Technology
Chipset	Intel® NM10
BIOS	AMI BIOS
Memory	Support single channel up to 4GB DDR3 SDRAM on one 204-pin SODIMM socket
Storage Devices	- 2x SATA port 3.0Gb/s data transfer rate
Watchdog Timer	Programmable via S/W from 0.5 sec. to 255 sec.
Hardware Monitoring	On board fan connector (CPU Cooler x 1, System Fan x1); temperature and voltages monitoring
Expansion Interface	- 1x PCI Express x1 slot (Gen1, 2.5GTs) - 1x Mini-PCIe socket

I/O INTERFACE

Super IO	Winbond W83627DHG
Audio	- On-board Audio Codec ALC662 - Line out / Mic in - 2.6 Amp (Optional)
Ethernet	-2 x Gigabit Ethernet Controller
Serial Port	- 2x RS232 port on rear IO - 1x RS232/422/485 selectable on rear IO & 1 x RS232 (Optional)
USB	- 4x USB 2.0 ports on rear IO - 2x USB 2.0 ports on borad with header - 480 Mb/s bus comprehends the high-speed / full-speed / low-speed data ranges
GPIO	Onboard programmable 8-bit Digital I/Os

DISPLAY

Display Interface	- VGA: One Connector on rear IO - LVDS: dual channel 24-bit LVDS - HDMI: One connector on rear IO

Mechanical & Environment

Dimension	170(L) x 170(W) mm; 6.69"(L) x 6.69"(W)
Power Supply	-Typical: +12V(CPU)@0.17A;+12V@0.24A;+5V@1.31A;+3.3V@0.55A -Support ATX mode
Environment	- Storage Temperature: -20°C to 80°C - Operation Temperature: 0°C to 60°C - Relative Humidity: 5% to 95%, non-condensing
MTBF	Over 140,000 hours at 40°C