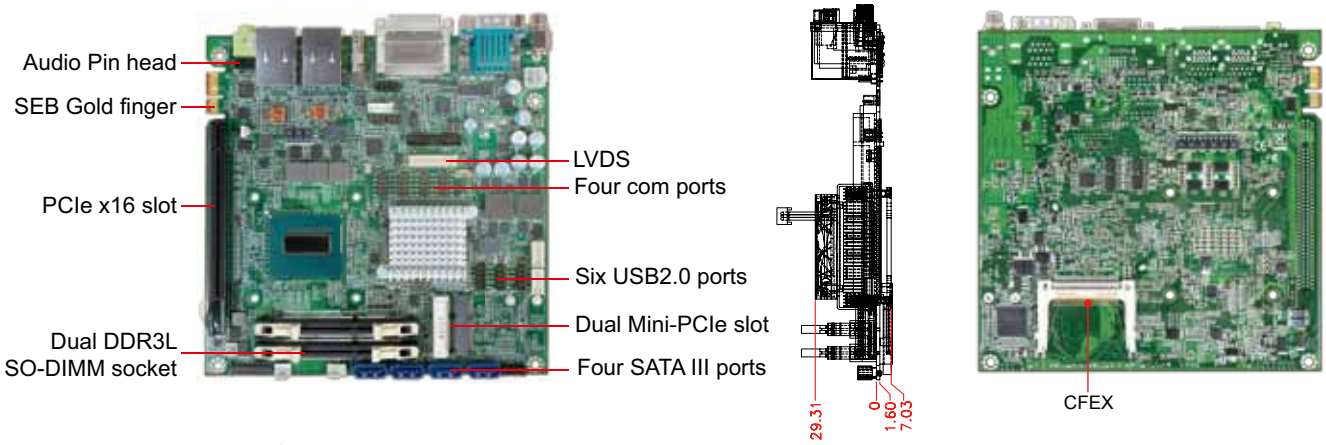
WADE-8022

Intel® Core™ i3/i5/i7 mobile processor based Mini-ITX Board with dual Gigabit Ethernet, four SATA III ports, Six COM ports, one PCIe x16 expansion slot and Dual Mini-PCIe slot with mSATA interface

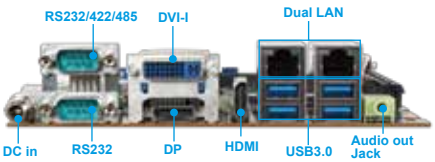


WADE-8022 is based on Intel® QM87 chipset and Mobile processor sku like Core™ i3/i5 and i7(BGA type). WADE-8022 of the Intel platform will provide high performance and flexibility for functional expansion, such as Gaming, Kiosk, DS, Medical, Defense, Industrial automation and control applications.

FEATURES

- Intel® 4th Dual/Quad processor in FCBGA1364
- Intel® QM87 PCH
- Two DDR3L SO-DIMM slots up to 16GB (supports 1600/1333)
- One PCIe x16 slot (Gen3 support)
- Dual Mini-PCIe slot (supports mSATA)
- One PCIe x1 Gold Finger (Two PCIe x1 signal)
- Six COM ports (2pcs on rear I/O, 4pcs on board header)
- Four SATA III Ports (supports RAID 0,1,5,10)
- Total Ten USB ports (4xUSB3.0 Ports & 6xUSB2.0 Ports)

REAR I/O



ORDERING GUIDE

AB1-3A77	(R).WADE-8022.Mini-ITX ESB.Intel QM87chipset on Board. w/DDR3L SO-DIMM/ DVI-I /DP/HDMI/Dual GbE Lan/COM/Audio/USB

PACKING LIST

One WADE-8022 motherboard
One Driver CD
One SATA cable

GENERAL

Processor	- Intel® 4th Dual/Quad processor in FCBGA1364 - Cache up to 6MB (for Quad Core) - support Intel® Turbo Boost Technology, Virtualization Technology (VT-x), Hyper-Threading Technology
Chipset	Intel QM87 PCH
BIOS	AMI UEFI BIOS
Memory	Support up to 16GB DDR3L 1066/1333 SDRAM on two 204pin SO-DIMM
Storage Devices	4x SATA 3.0 support up to 6Gb/s data transfer rate
Watchdog Timer	Programmable by embedded controller
Expansion Interface	- 1x PCI Express x16 slot (Gen3) - 2x Mini-PCIe slot(switch function) - 1x PCI Express x1 Gold Finger

I/O INTERFACE

Super I/O	N/A
Audio	- Intel® QM87 PCH built in HDA controller - Realtek ALC886-GR HAD codec,5.1 channels
Ethernet	Onboard Intel® WGI217LM & WGI210AT
Serial port	- 1x RS232 port on rear I/O - 1x RS232/422/485 selectable port on rear I/O - 4x RS232 port on pin header
USB	- 6 ports USB2.0 - 4 ports USB3.0
Keyboard & Mouse	KBC controller integraded in embedded controller
GPIO	8bit congfigurable controlled by embedded controller

DISPLAY

Graphic Controller	- Intel® HD Graphics 4600 supports DirectX 11, OCL 1.2, OGL 3.2 -Video decode hardware acceleration supports for H.264, MPEG2, MVC, VC-1, WMV9 and VP8 formats
Display Interface	- DP: resolution up to 2500x1600 - VGA: resolution up to 2048x1536 - DVI:resolution up to 1920x1200 - HDMI: resolution up to 4096x2304 - LVDS: resolution up to 1920x1200

Mechanical & Environment

Dimension	170mm(L) x 170mm(W) x 1.6mm(H)
Power Supply	12V DC input
Environment	- Operation temperature: 0~60°C - Storage temperature: 40~80°C - Relative humidity: 5~95%, non-condensing
MTBF	Over 120,000hrs at 40°C



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