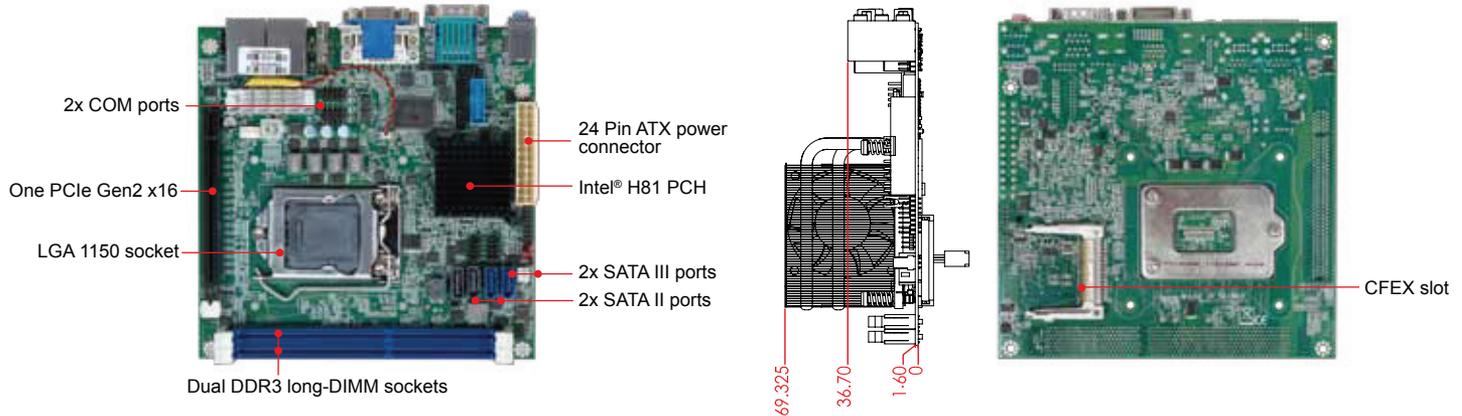


WADE-8016

Intel® 4th Gen Core™ processor based Mini-ITX Board with dual Gigabit Ethernet, two SATA III ports, four COM ports, one PCIe x16 expansion slot and one CFEX



WADE-8016 is based on Intel H81 PCH and desktop processor 4th gen. Intel Core i5/i7. WADE-8016 provides high performance and flexibility for functional expansion, and is ideal for gaming, kiosk, digital signage, medical, industrial automation and control applications.

FEATURES

- Intel® 4th gen. dual/quad-core processor in LGA 1150
- Intel® H81 PCH
- 2x DDR3 long-DIMM slots up to 16GB (support 1600/1333)
- One PCIe x16 slot (Gen3 support)
- 2x SATA III ports and 2x SATA II ports (1x SATA II switch CFEX)
- One CFEX
- 4x COM ports (2x on rear I/O, 2x on board header)
- 10x USB ports (2x USB 3.0 ports & 8x USB 2.0 ports)

REAR I/O



ORDERING GUIDE

AB1-3B38	(R),WADE-8016,Mini-ITX ESB,H81 w/o LGA1150,w/DDR3 SDRAM/VGA/DVI/HDMI/ Dual GbE/COM/Audio/USB
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PACKING LIST

One WADE-8016 motherboard
One Driver CD
One SATA III cable

GENERAL

Processor	- Intel 4 th generation Core processor in LGA 1150 package - Cache up to 6MB (for quad core) - Support Intel® Turbo Boost Technology, Virtualization Technology (VT-x), Hyper-Threading Technology
Chipset	Intel® H81 PCH
BIOS	AMI BIOS
Memory	- Support up to 16GB DDR3 1333/1600 SDRAM on two 240pin DIMM sockets
Storage Devices	- 2x SATA II support up to 3Gb/s data transfer rate - 2x SATA III support up to 6Gb/s data transfer rate - 1x CFEX
Watchdog Timer	Programmable watchdog timer, time out period from 0.5 sec to 255 secs
Expansion Interface	- 1x PCI Express x16 slot (Gen2)

I/O INTERFACE

Super I/O	Winbond W83627UHG
Audio	- Intel® H81 PCH built in HDA controller - Realtek ALC892 supports 5.1 channels
Ethernet	Two onboard Realtek RTL8111G-CG
Serial Port	- 1x RS232 port on rear I/O - 1x RS232/422/485 selectable port on rear I/O - 2x RS232 on pin header
USB	- 2x USB 3.0 ports on board - 4x USB 2.0 ports on rear I/O - 4x USB 2.0 ports on board
Keyboard & Mouse	- PS/2 on board dedicated to keyboard & mouse
GPIO	- On board programmable 8bit digital I/O

DISPLAY

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

Mechanical & Environment

Dimension	170mm(L) x 170mm(W); 6.69"(L) x 6.69"(W)
Power Supply	ATX 24-pin power input
Environment	- Operating Temperature: 0~60 °C - Storage Temperature: -20~80 °C - Relative Humidity: 5~90%, non-condensing; 5~95%, non-condensing
MTBF	Over 120,000 hours at 40°C

