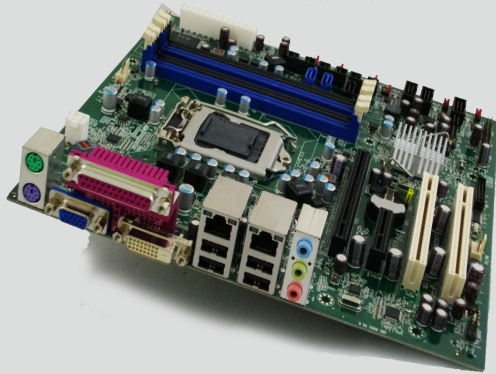


# Industrial Mother Board

## ADE-8063

Intel® Sandy Bridge Processor based on u-ATX form factor with Dual Display, Dual Gigabit Ethernet, SATA, Audio, COM & USB



### Features

- New Generation CPU
- Intel® Q67 Chipset (High Graphics Performance )
- Intel® vPro Support
- AMT 7.0
- Cost saving by DDR3 Architecture
- Dual Display by VGA & DVI-D
- Powered COM Support
- Focused application: ATM, Industrial PC, Game Console, KIOSK

### Specifications ( Preliminary )

System	
CPU	Intel® Sandy Bridge Socket H2 for LGA1155 CPU package Intel® Core™ i7-2600 processor (3.4 GHz, 95W) Intel® Core™ i5-2400 processor (3.1 GHz, 95W) Intel® Core™ i3-2120 processor (3.3 GHz, 65W)
BIOS	AMI UEFI BIOS with 64 Mb SPI Flash ROM support AMT7.0
System Chipset	Intel® Q67 (Cougar Point)
I/O Controller	ITE IT8783F I/O Controller
System Memory	4 x 240-pin DIMM sockets Dual-channel DDR3 1066/1333 DRAM Max. up to 16GB memory
Storage	2 x SATA 2.0 & 2 x SATA 3.0
RAID	RAID 0, 1, 5, 10 function (Optional)
Watchdog Timer	Reset; 1 sec.~255 min. and 1 sec. or 1 min./step
H/W Status Monitor	Monitoring CPU and system temperature, voltage and cooling fan status
TPM	Infineon , SLB9635TT1.2 on board
GPIO	Onboard 8-bit Digital I/O interface (4 input/4 output)
Expansion	1 x PCI Express x4, 1 x PCI Express x16, 2 x PCI Slots
External I/O	
Gigabit-LAN	2 x RJ-45 LAN Ports (with two LEDs indicators, built-in Transformer)
KB/Mouse	1 x Mini DIN 6-pin Keyboard & Mouse
USB	4 x USB 2.0 Ports
Audio	1 x Audio Jack ( Line-In , Line-Out & Mic-In )
VGA & DVI-D	1 x D-SUB 15-pin & 1 x DVI-D Connector
Parallel	1 x Parallel D-SUB 25-pin
Internal I/O	
Powered COM	6 x 2.54mm 2 x 5P header, Pin9 with RI / 5V / 12V jumper selectable ( Max. 1A )
USB	4 x 2.54mm 2 x 5P header, supports 8 x USB 2.0
Front Panel	1 x 2.54 mm 2 x 5P header, supports Power & HDD LED, Power on/off & reset button

### Display

Graphics Controller	Intel® HD Graphics 2000
Resolution	VGA max. up to 2048 x1536 @ 75 Hz (QXGA) DVI max. up to 1920 x 1200 @ 60Hz
Display Interface	Dual display by VGA & DVI-D

### Ethernet

Controller	Intel® 82579LM 10/100/1000 Ethernet Controller with AMT7.0 Realtek RTL8111DL Gigabit Ethernet controller
Interface/connector	IEEE 802.3 10BASE-T / 100BASE-TX / 1000BASE-T compliant Dual RJ-45 connector with two LEDs indicators

### Audio

HDAC	Realtek® ALC888S-VD High Definition Audio Codec
Rear Connector	Audio jacks for Line In, Line Out & Microphone

### Power Supply

Power Type	1 x 24-pin ATX power connector, 1 x 4-pin ATX 12V power connector
FAN Power connector	1 x CPU Fan 4-pin wafer , 1 x System Fan 4-pin wafer (smart fan function) with DC 12V
Battery	Lithium coin cell - Panasonic CR-2032

### Certification

EMC Compliance	Meets EN55022, EN55024 and FCC Part 15 Class B standard
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### Environments & Dimension

Operating Temperature	0°C~60°C (32°F~140°F)
Storage Temperature	-20°C~80°C (-4°F~176°F)
Operating Humidity	10%~90% relative humidity, noncondensing
Size (L x W)	9.6" x 9.6" (243.84mm x 243.84mm)