



HB133 is a Mini ITX embedded motherboard based on Intel Sandy/Ivy Bridge Platform. Its high performance, rich interfaces and reliability makes it an ideal solution with hardware and software for digital signage, ATM machine, POS, and industrial automation.

# HB133

## Mini ITX Motherboard Based on Intel Sandy/Ivy Bridge Platform

### Key Features:

- ◆ Equip with Intel H61 chipset, support Intel Sandy/Ivy Bridge processor;
- ◆ One U-DIMM slot, support DDR3 1066/1600MHz, with total capacity up to 8GB;
- ◆ Integrated Intel HD Series high-performance graphics processor;
- ◆ 2x gigabit Ethernet, support network wakeup;
- ◆ Rich interfaces: 2x SATAII, 2x VGA, 1x HDMI, 2x LAN, 10x USB2.0, 1x PCIe16x, 1x PS/2, 1x LPT, 10x RS-232, support serial port power supply, and COM2 support RS-232/485(optional);

### Specifications:

Model No.	HB133
Structure	Mini ITX
OS	Windows XP/Windows 7/Lunix
CPU	Intel Sandy/Ivy Bridge Processor
Chipset	Intel H61
Memory	One U-DIMM slot, support DDR3 1066/1600MHz, with total capacity up to 8GB
BIOS	AMI EFI BIOS
Super I/O	W83627DHG-P
Ethernet	Realtek RTL8111E, 10/100/1000Mbps, 2x LAN
Graphics Controller	Integrated Intel HD Series high-performance graphics processor
Display interface	2x VGA, 1x HDMI(support maximum resolution: 1920x1200@60Hz VGA support maximum resolution: 2048x1536@75Hz
Audio	Realtek ALC662, HD Audio, Line-out, Mic-in, built-in Audio pin reserved;
I/O Interface	2x SATAII 10x USB2.0(panel 4x/pin 6x) 1x LPT, 10x RS-232, support serial port power supply, and COM2 support RS-232/485(optional)
Expansions	1x PCIe 16x
Watchdog	Trigger reset when 255 grade timer overflow
GPIO	8 bit GPIO
Fan	1x CPU FAN
Power	Standard ATX 20Pin + 4Pin
Temperature	Operating Temperature: 0°C ~ 60°C Storage Temperature: -40°C ~ 85°C
Humidity	5% ~ 95% relative humidity, no condensing
Dimensions	170mmx170mm

