



BIRCH 866

BIRCH866

Intel® Core i Sandy Bridge M/B

Upgradeable socket CPU design

The Performance Driven Box system with Core i Platform



Intel® Core i Sandy bridge M/B

BIRCH 866 is the possible most high performance box system in point-of-sale market. It is built-in Intel Core i the newest platform called as “Sandy Bridge” rather than “Nehalem”. The Core i Sandy bridge platform integrates the CPU and GPU at the same chipset. This new device upgrades the CPU performance and gets the power low power consumption.

Upgradeable socket type CPU design on the M/B

Birch has the upgradeable socket-type CPU design on the Core i M/B, which allows the users upgrade CPU to Core i3/i5/i7. It is good solution to meet your budget.

BIRCH 866 is standard bundled with the extreme low power consumption CPU, Dual Core Pentium® G630T (3M Cache, 2.30 GHz), 35W only.

Powerful function on BIRCH 866

Based on Intel Core i sandy bridge platform M/B, BIRCH 866 offers the outstanding features as below to support you business even for high-performance required applications:

- More memory: 2GB DDR3 memory, up to 16GB
- More Storage: 2.5” 32GB SSD or 2.5” SATA HDD (options for dual storage: 1x SSD + 1 x HDD or 2x HDD).
- Silent Fan design.
- Built with 5x USB, 4xCOM, LPT, GigaLan (10/100/100), 1x VGA and 1x DVI. COM 1 supports selected 5V and 12V power.

- Retailing Stores (POS)
- Office Automation (O/A)
- Factory Automation (F/A)
- Other Related Automation

Ordering Information:

BIRCH 866B: Metal Mini Box system
With Intel Core i Sandy Bridge M/B,
Pentium Dual Core G630T/ 2GB/ 32GB
SSD, 5 x USB, 4 x COM, 1 x LPT, 1 x
DVI, 1x VGA, Black

Mini/Compact size for Desktop and Wall mount

BIRCH 866 can be not only for desktop applications work with general monitors, but also for wall mount application through VESA mount or wall mount wings for industrial and space-concerned market, 215(D) x 275(W) x 65(H)mm.



Technical Specifications

● Motherboard

Socket: LGA 1155

CPU: Core i7/i5/i3/Pentium Processor
Standard with Dual Core Pentium
Processor G630T (3M Cache, 2.30
GHz)

FSB: 800 / 1066/ 1333 Mhz

Chipset: Intel H61 Chipset

Audio: HD Audio

Memory: DDRIII SO-DIMM memory
interface. (16GB Max.)

Ethernet: Embedded Giga LAN
10/100/1000

● Storage Device

2.5" SATA SSD or HDD
Optional Dual hard disk

● Power

Build-in 180W power supply
FlexATX 180W (CUL/TUV/
PSE/CB/CE/FCC, ErP, Active PFC)

● Fan

95mm CPU Smart Fan (24.8~33.4 dB)
5mm System Fan (17.26 dB)

● Dimensions

215(D) x 275(W) x 65(H) mm

● I/O Connectors

Front I/O:

1x Power switch, 1x Reset switch
1x Power on LED, 1x HDD LED
2x USB 2.0

Real I/O:

Audio Earphone, MIC
LAN RJ-45 Gigabit Ethernet LAN
USB 3 x USB 2.0 / 1.1
COM 4 x COM ports
(COM1 with 5V or 9V)
Display 1 x DVI-D port
1 x VGA port
Printer 1 x LPT port

● Operation Environment

Operating Temp: 5 ~ 35 degree C
Operating Humidity: 10% - 90% RH
Non-condensing

● Storage Environment

Storage Temp: -20 ~ 60 degree C
Storage Humidity: 10% - 90% RH
Non-condensing:

● Expansion Slot

Mini PCI-E card

● Options

Second Hard disk mount
Wall mount wings, VESA mount
WiFi 802.11 b/g/n



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