



BBS-4005

Compact PC with one Expansion slot, slim CD-ROM, 180W ATX P/S



Industrial Bare Bone

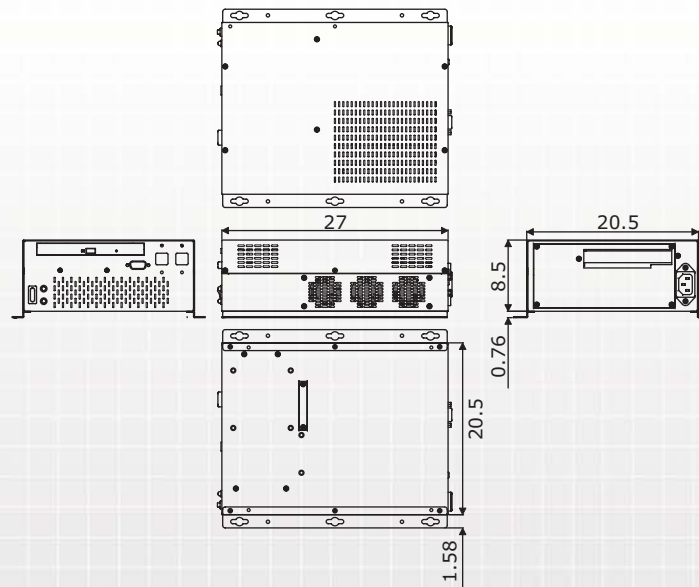
Compact PC



Features

- ◆ Compact PC system design
- ◆ Built-in mainboard, 180W ATX P/S
- ◆ Provides Intel® P-M/C-M/P-4/C-D processor, Intel® Core™ Duo T2050 processor (by M/B)
- ◆ Standard PCI expansion slot x 1
- ◆ 2.5" HDD space x 1, slim CD-ROM space x 1
- ◆ 4cm ball bearing cooling fan x 3
- ◆ BBS-4005-J provides COM x 2, USB2.0 x 8, Parallel
- ◆ BBS-4005-M provides COM x 2, USB2.0 x 8, Parallel
- ◆ BBS-4005-N provides COM x 1, USB2.0 x 6
- ◆ BBS-4005-Q provides COM x 3, USB2.0 x 8, DVI display

Dimensions



Specifications

Mechanical & Environmental

- Thermal System**
4cm ball bearing cooling fan x 3
- Dimensions (LxHxW)**
27.0 x 8.5 x 20.5 cm
- Operation Temperature**
0~+45 degrees C
- Storage Temperature**
-20~+70 degrees C
- EMC**
FCC/CE
- Power Supply**
180W ATX power supply

BBS-4005-J

- System SBC Model**
HS-1746
- CPU**
Intel® Pentium® M processor 1.6/1.8GHz
Intel® Celeron® M processor 1.5GHz
- BIOS**
Award PnP Flash BIOS
- System Chipset**
Intel® 855GME/ICH4
- System Memory**
1 x 184-pin DIMM socket up to 1GB DDR SDRAM
- Display Chipset**
Intel® 855GME
- Audio Chipset**
AC 3D audio codec
- Ethernet Chipset**
Dual Intel® 82541 10/100/1000 Mbps LAN
- Drive Bay**
1 x 2.5" HDD space
1 x Slim CD-ROM space
- Watchdog Timer**
Software programmable time-out intervals from 1~255 sec.
- Expansion**
1 x Standard PCI expansion slot

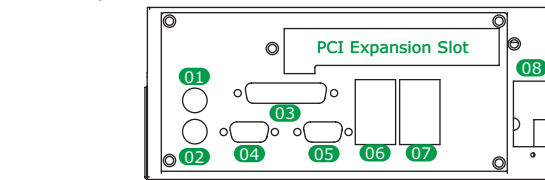
Ordering Guide

- ◆ **BBS-4005-J (by order)**
Compact PC with HS-1746, 180W ATX P/S
- ◆ **BBS-4005-M (by order)**
Compact PC with HS-1747, 180W ATX P/S
- ◆ **BBS-4005-N (by order)**
Compact PC with HS-1748, 180W ATX P/S
- ◆ **BBS-4005-Q**
Compact PC with HS-1750, 180W ATX P/S

Accessory Options
CPU, Memory Module, CF Module, 2.5" HDD, Slim CD-ROM

I/O Interface

External I/O
PS/2 MS, PS/2 KB, Parallel, COM x 2, VGA, LAN x 2, USB2.0 x 8



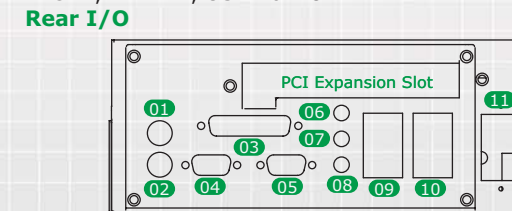
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|--------------|----------------------|
| 01. MS | 05. VGA |
| 02. KB | 06. LAN + USB2.0 * 2 |
| 03. Parallel | 07. LAN + USB2.0 * 2 |
| 04. COM 1 | 08. Power In |

BBS-4005-M

- System SBC Model**
HS-1747
- CPU**
Intel® Pentium® 4/Celeron® D processor in the LGA775 package
- BIOS**
Award BIOS with 4Mb Flash EEPROM
- System Chipset**
Intel® 915GV/ICH6
- System Memory**
2 x 184-pin SO-DIMM sockets up to 2GB DDR SDRAM
- Display Chipset**
Intel® 915GV
- Audio Chipset**
RealTek ALC655 5.1 audio codec
- Ethernet Chipset**
Dual Marvell 88E8053 10/100/1000 Mbps LAN
- Drive Bay**
1 x 2.5" HDD space
1 x Slim CD-ROM space
- Expansion**
1 x Standard PCI expansion slot

I/O Interface

External I/O
PS/2 MS, PS/2 KB, Parallel, COM x 2, VGA, Line In, Audio Out, MIC In, LAN x 2, USB2.0 x 8



- | | | |
|--------------|---------------|----------------------|
| 01. MS | 05. VGA | 09. LAN + USB2.0 * 2 |
| 02. KB | 06. Line In | 10. LAN + USB2.0 * 2 |
| 03. Parallel | 07. Audio Out | 11. Power In |
| 04. COM 1 | 08. MIC In | |

BBS-4005-N

- System SBC Model**
HS-1748
- CPU**
Intel® Pentium® M/Celeron® M processor in the u-FCPGA 478 package
- BIOS**
Award BIOS with 4Mb Flash EEPROM
- System Chipset**
Intel® 915GME/ICH6-M
- System Memory**
2 x 240-pin DIMM sockets up to 2GB DDR2 SDRAM
- Display Chipset**
Intel® 915GME

Audio Chipset

RealTek ALC655 5.1CH audio codec

Ethernet Chipset

Triple Marvell 88E8053 10/100/1000 Mbps LAN

Drive Bay

1 x 2.5" HDD space
1 x Slim CD-ROM space

Watchdog Timer

Reset: 1 sec.~255 min. and 1 sec. or 1 min./step

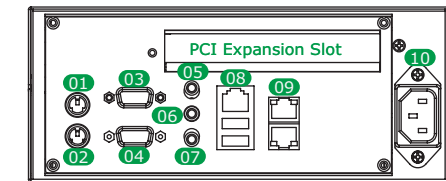
Expansion

1 x Standard PCI expansion slot

I/O Interface

External I/O
PS/2 MS, PS/2 KB, VGA, COM x 2, Line In, Audio Out, MIC In, LAN x 2, USB2.0 x 6

Rear I/O



- | | |
|-------------|----------------------|
| 01. MS | 06. Audio Out |
| 02. KB | 07. MIC In |
| 03. VGA | 08. LAN + USB2.0 * 2 |
| 04. COM 1 | 09. LAN * 2 |
| 05. Line In | 10. Power In |

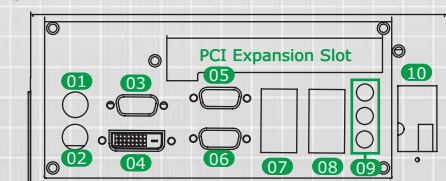
BBS-4005-Q

- System SBC Model**
HS-1750
- CPU**
Intel® Core™ Duo T2050 processor
- BIOS**
Award BIOS with 4Mb Flash EEPROM
- System Chipset**
Intel® 945GME/ICH7-M
- System Memory**
2 x 200-pin SO-DIMM sockets up to 4GB DDR2 SDRAM
- Display Chipset**
CRT: Intel® 945GME
DVI: Chrontel CH7307
- Audio Chipset**
RealTek ALC655 5.1CH audio codec
- Ethernet Chipset**
Dual Marvell 88E8053 10/100/1000 Mbps LAN
- Drive Bay**
1 x 2.5" HDD space
1 x Slim CD-ROM space
- Watchdog Timer**
Reset: 1 sec.~255 min. and 1 sec. or 1 min./step
- Expansion**
1 x Standard PCI expansion slot

I/O Interface

External I/O
PS/2 MS, PS/2 KB, VGA, DVI, COM x 3, LAN x 2, USB2.0 x 8, MIC In, Line In, Line Out

Rear I/O



- | | |
|-----------|----------------------|
| 01. MS | 06. COM 2 |
| 02. KB | 07. LAN + USB2.0 * 2 |
| 03. VGA | 08. LAN + USB2.0 * 2 |
| 04. DVI | 09. Audio |
| 05. COM 1 | 10. Power In |