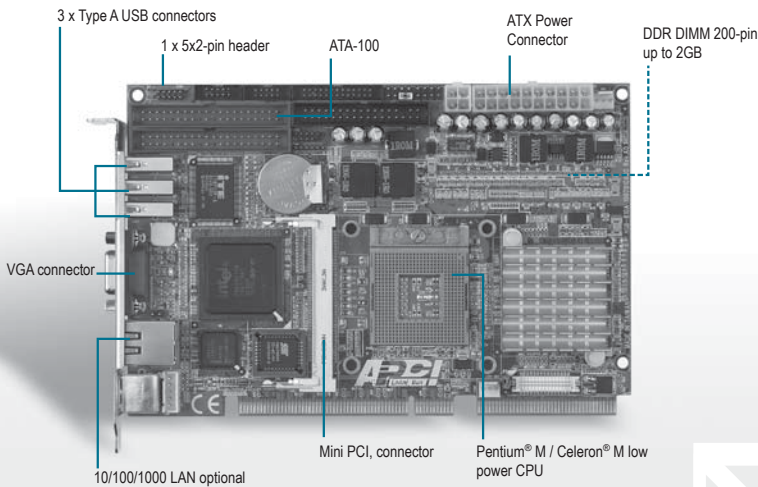


HSB-810A

Intel® Pentium® M APCI Half-size SBC



Specifications

| System | |
|------------------------|---|
| Form Factor | APCI Half-size SBC |
| Processor | Intel® Pentium® -M / Celeron® CPU, FSB: 400MHz, supports up to 2.0GHz CPU |
| Main Chipset | Intel® 82855GME + Intel® 82801DB (ICH4) |
| System Memory | 2 x 200-pin 2.5V DDR SODIMM socket, total up to 2 GB supports DDR memory (DDR 266/333) |
| VGA Controller | Integrated on Intel® 82855GME, AGP 4X, supports dual display, LVDS |
| Ethernet | 10/100Mb or 10/100/1000Mb LAN optional, RJ-45 X1 Intel® 82562EZ / 82541GI controller |
| Audio (Daughter Board) | Realtek ALC655 AC97 Codec, MIC-in/Line-in/Line-out/CD-in |
| BIOS | Award Plug & Play BIOS - 4Mb ROM |
| IDE Interface | ATA-100 x 2 channels (Supports two ATAPI devices) |
| CompactFlash™ | Supports CFD Type II Connector (Hot Swappable) |
| Expansion Interface | APCI Interface / Mini PCI, Type III Socket |
| IR Interface | Supports IrDA header x 1 |
| Watchdog Timer | 1 ~ 255 sec, can be set with software on Super I/O |
| RTC | Internal RTC |
| Power Requirement | ATX, ATX12V |
| Operating Temperature | 32°F ~ 140°F (0°C ~ 60°C) |
| I/O | |
| Floppy Drive Interface | One standard Floppy Disk Drive port, supports up to two floppy devices |
| Serial Port | Two COM ports: (Internal Pin Header, External D-sub x 2) COM 1: RS-232 COM 2: RS-232/422/485 (jumpless selection) |
| Parallel Port | Supports SPP/ EPP/ ECP mode |
| Keyboard and Mouse | One Mini-DIN PS/2 Keyboard and Mouse connector One internal keyboard pin header |
| Universal Serial Bus | Five USB 2.0 Ports One 5x2-pin header for internal Three TYPE-A connectors onboard |

Features

- Supports Intel® Low Power CPU, Pentium® M/ Celeron® M
- DDR333 Memory Support Up to 2GB
- Integrated AGP 4X 2D/3D Graphics Accelerator, LVDS Support
- Integrated AC-97 Codec Audio (Daughter Board Optional)
- Supports One 10/100/1000Base-TX Ethernet (10/100 & GbE Optional)
- Supports Ultra ATA100 & CompactFlash™ Type-II Storage
- 5 USB 2.0 Ports / RS-232 X 1, RS-232/422/485 X 1 / Parallel X 1 / IrDA Port One X 1
- Mini PCI, Socket Type III Supports
- Watchdog Function 1 ~ 255 Sec.



Packing List

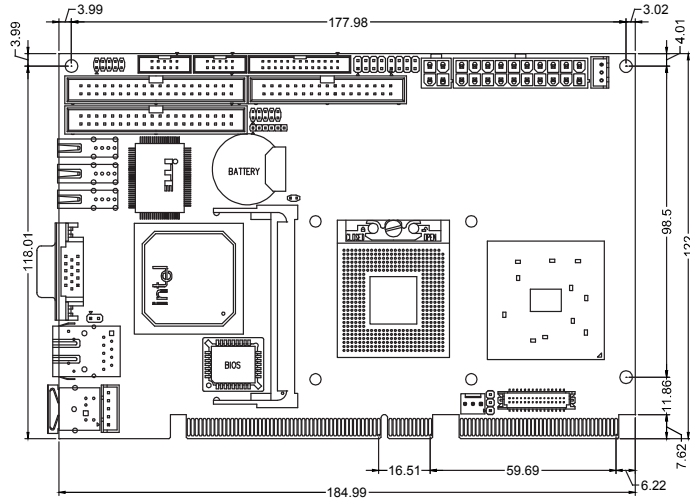
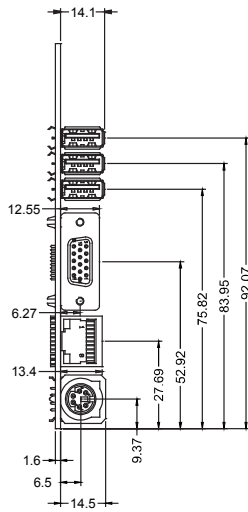
- 1701340704**
Flat Cable, 34P, 70cm, GRAY for Floppy Disk Drive
- 1701400453**
Cable, 40P 2.54mm IDC w/Nose w/Fold, 40P 2.54mm IDC w/Nose w/Fold, 45cm, BLUE ATA-100
- 1709100201**
USB Cable, 20cm 2.0mm, w/Bracket
- 1700060192**
Cable, 6P-6P-6P, 19cm, IVORY PS2/ Keyboard & Mouse
- 1701260307**
Flat Cable, 9P/DB9P MALE & 25P DB25P FEMALE, 10P 2mm & 26P 2mm/IDC NO FOLD, 30cm, w/Bracket
- 1701100305**
Flat Cable, 9P/DB9P MALE, 10P/2.0mm Pitch/IDC NO FOLD, 30cm, w/Bracket
- 1703030501**
Wire, 3P 2.5mm Housing, 3P 2.5mm Housing, 50cm
- 1759200156**
CPU cooler
- Quick Installation Guide**
- Utility CD**
- HSB-810A**

Ordering Information

- HSB-810A-A10-V**
Half-size APCI, Pentium® M/ Celeron® M, VGA, 2 COM, 5 USB, CF, ATX, Rev.A1.0
- HSB-810A-A10-VE**
Half-size APCI, Pentium® M/ Celeron® M, VGA, LAN, 2 COM, 5 USB, CF, ATX, Rev.A1.0
- HSB-810A-A10-VG**
Half-size APCI, Pentium® M/ Celeron® M, VGA, Gbe LAN, 2 COM, 5 USB, CF, ATX, Rev.A1.0

Dimension

Unit: mm



Passive Backplane Options

| P/N | Description | Master Interface | Slots | Power Connector, ATX Extend Function |
|-------------------|---|------------------|-------------------------------|--------------------------------------|
| BP-214SA-P5I6-A11 | Rackmount, 2 APCI/1 AGP, 14-slot Backplane, 5 PCI, 6 ISA, Rev.1.1 | APCI | 5/6/1/2 (PCI/ ISA/ AGP/ APCI) | ATX, 3-pin ATX extend |
| BP-214SA-P6-A11 | Rackmount, 2 APCI/1 AGP, 14-slot Backplane, 6 PCI, Rev.1.1 | APCI | 6/0/1/2 (PCI/ ISA/ AGP/ APCI) | ATX, 3-pin ATX extend |
| BP-204SA-P2-A11 | Wallmount, APCI, 4-slot Backplane, 2 PCI, 1 AGP, Single Segment, ATX, Rev.A1.0, Bulk Pack | APCI | 2/0/1/1(PCI/ISA/AGP/APCI) | ATX, 3-pin ATX extend |

Optional Accessories

- 1701400802**
 Flat Cable, 40P-40P-40P (UL: 2651, 15cm+65cm) 80cm for ATA33
- 1701400800**
 Flat Cable, 40P-40P-40P (UL: 20674, 15cm+65cm) 80cm for ATA100
- 1701400702**
 Flat Cable, 40P ATA-100 2.54mm BLUE/GRAY/BLACK, 70cm for Hard Disk Drive
- 1703300351**
 LCD Cable, 30-pin to 20-pin, 35cm, for Hyundai HT12X11-200 12.1"/ 1024*768/ 3.3V LVDS Panel
- 1703300352**
 LCD Cable, 30-pin to 30-pin, 35cm, for Hyundai HT17E11-300 17"/ 1280*1024/ 3.3V LVDS Panel, Samsung LTM150XH-L04 15.1"/ 1024*768/ 3.3V LVDS Panel
- PER-U00A**
 Audio Daughter Board

01

Full-size SBC

02

Half-size SBC

03

Industrial Motherboard

04

Industrial Chassis

05

Firewall Platform

06

Industrial Backplanes

07

Daughter Board

08

Embedded Motherboards

09

Mini PCI Modules

10

Sun-readable LCD Monitors

11

Accessories