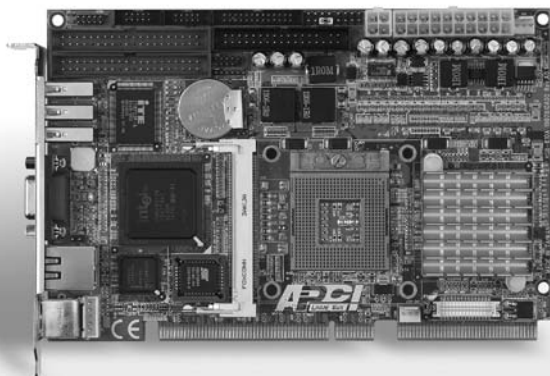


HSB-810A

Industrial Computing Platform Partner

Intel® Pentium® M APCI Half-size SBC



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-T 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 / 1 Parallel / 1 IrDA Port
- One Mini PCI Socket Type III Supports
- Watchdog Function 1 ~ 255 Sec.

Specifications

Main Specifications	
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)
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/ RS-422/ RS-485 (jump less 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
CompactFlash	Supports CFD Type II Connector (Hot Swappable)
Expansion Interface	APCI Interface / Mini PCI Type III Socket
IR Interface	Supports One IrDA header
Watchdog Timer	1 ~ 255 sec. can be set with software on Super I/O
RTC	Internal RTC
Power Supply Request	Standard ATX Power Connector, ATX12V
Operation Temp.	32°F ~ 140°F (0°C ~ 60°C)

Packing List

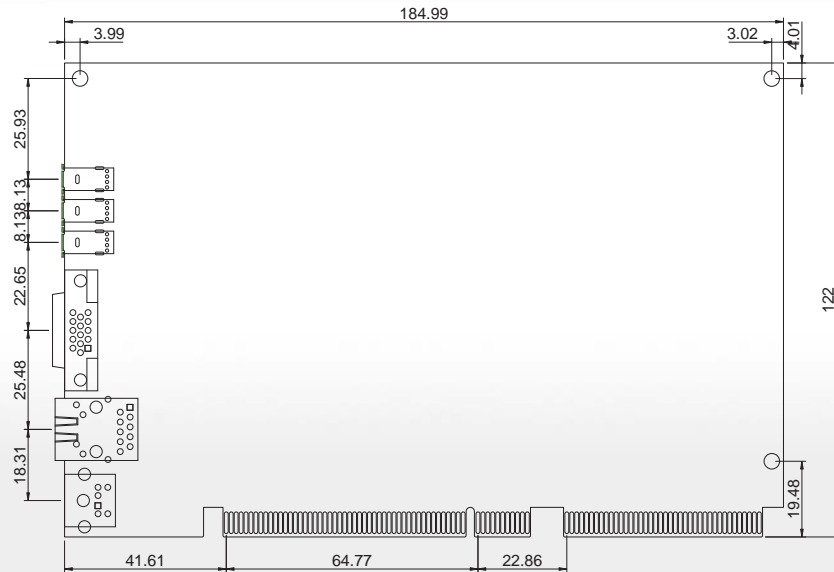
- 1701340704 Flat Cable, 34P, 70cm, GRAY for Floppy Disk Drive
- 1701400453 Cable. 40P 2.54mm IDC w/Nose w/Fold. 40P 2.54mm IDC w/Nose w/Fold. 45mm. BLUE ATA-100
- 1709100201 USB Cable. 20cm 2.0mm. w/Bracket
- 1700060192 Cable. 6P-6P-6P. 19cm. IVORY PS2/ Keyboard & Mouse
- 1701260307 Flat Cable. 9P/DB9P 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

Model Name	Backplane Type	Slots					Power Connector	Configuration Standard
		Total	APCI	PCI	ISA	AGP		
BP-204SA-P2-A11	APCI	4	2	2	0	1	ATX	AEC-204
BP-214SA-P6-A11	APCI	14	2	6	0	1	AT, ATX	ARC-640, 645
BP-214SA-P5I6-A11	APCI	14	2	5	6	1	AT, ATX	ARC-640, 645

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, 30Pin to 20Pin, 35cm, for Hyundai HT12X11-200 12.1" / 1024*768 / 3.3V LVDS Panel
- **1703300352**
LCD Cable, 30Pin to 30Pin, 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

1

Full-size SBC

2

Half-size SBC

3

Embedded Motherboards

4

Mini PCI Modules

5

Industrial backplanes

6

Industrial Chassis

7

Sun-readable LCD Monitors

8

Accessories