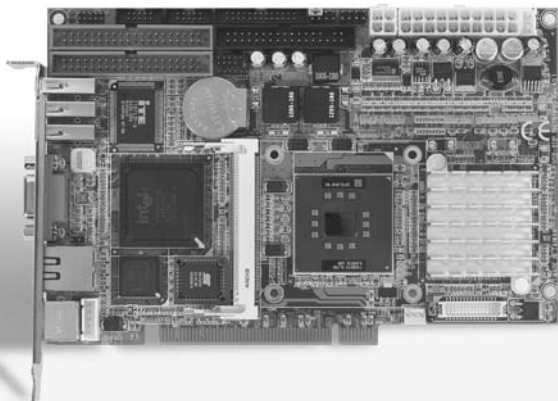


HSB-811P

Industrial Computing Platform Partner

Intel® Pentium® M PICMG/PCI Half-size SBC



Features

- Onboard Low Power CPU, Pentium® M/Celeron® M; Socket Version Optional
- DDR 266 Memory Supports Up to 2GB
- Integrated AGP 4X 2D/3D Graphics Accelerator, LVDS Support
- Integrated AC97 Codec Audio (Daughter Board optional)
- Supports One 10/100/1000Base-T Ethernet (10/100 & GbE optional)
- Supports Ultra ATA100 & CompactFlash™ Type-II Storage
- Supports Mini PCI Type-III Socket
- 5 USB2.0/ 1 RS-232, 1 RS-232/422/485/ 1 Parallel/ 1 IrDA port
- Watchdog Function 1~255 Sec

Specifications

Main Specifications	
Form Factor	PICMG/PCI Half-size SBC
Processor	Intel® Celeron® M CPU, FSB: 400MHz, Onboard 600MHz/ non-cache. (Socket CPU optional)
Main Chipset	Intel® 82852GM + Intel® 82801DB (ICH4)
System Memory	2x200Pin 2.5V DDR DIMM Socket, total up to 2GB, supports DDR memory (DDR200/266)
VGA Controller	Integrated on Intel® 82852GM, AGP 4X, dual display support
LCD Controller	Integrated on Intel® 82852GM, LVDS output, dual display support
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 FWH BIOS-4Mb ROM
IDE Interface	ATA-100 x2 Channel (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-232/422/485
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 Two Type-A Connector onboard
Compact Flash	Supports CFD Type II connector (Hot swappable)
Expansion Interface	PICMG/ PCI 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	ATX 12V, Standard ATX power connector
Operation Temp.	32°F ~ 140°F (0°C ~ 60°C)

Packing List

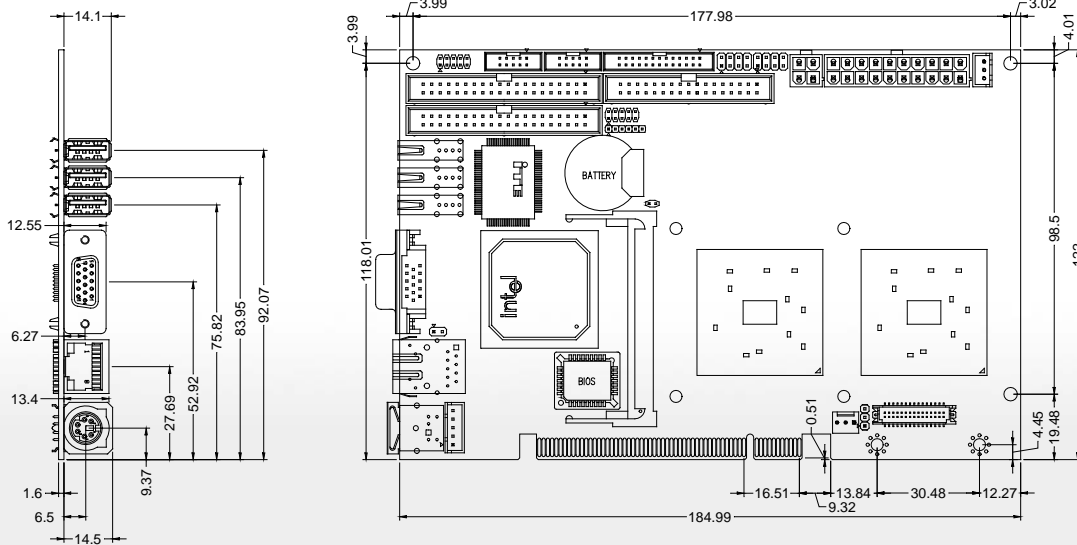
- 1701340704 Flat Cable, 34P, 70cm, GRAY for Floppy Disk Drive
- 1701400453 Cable. 40P 2.54mm IDC w/Nose w/Fold. 40P 2.54mm IDC w/Nose w/Fold. 45mm. BLUE ATA-100
- 1709100201 USB Cable. 20cm 2.0mm. w/Bracket
- 1700060192 Cable. 6P-6P-6P. 19cm. IVORY PS/2 / Keyboard & Mouse
- 1701260307 Flat Cable. 9P/DB9P 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
- Quick Installation Guide
- Utility CD
- HSB-811P

Ordering Information

- **HSB-811P-A10-V**
Half-size PICMG/PCI.Pentium® M.ULV Celeron® M 600.VGA.LVDS.AC97.5 USB.CF.M-PCI.ATX.Rev. A1.0
- **HSB-811P-A10-VE**
Half-size PICMG/PCI.Pentium® M.ULV Celeron® M 600.VGA.LVDS.LAN.AC97.5 USB.CF.M-PCI.ATX.Rev.A1.0
- **HSB-811P-A10-VG**
Half-size PICMG/PCI.Pentium® M.ULV Celeron® M 600.VGA.LVDS.GbE LAN.AC97.5 USB.CF.M-PCI.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-204SP-P3	PICMG/PCI	4	1	3	0	0	ATX	AEC-204/B
BP-206SP-P4	PICMG/PCI	6	2	4	0	0	AT/ATX	AEC-206
BP-208SP-P7	PICMG/PCI	8	1	7	0	0	AT/ATX	AMC-280

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