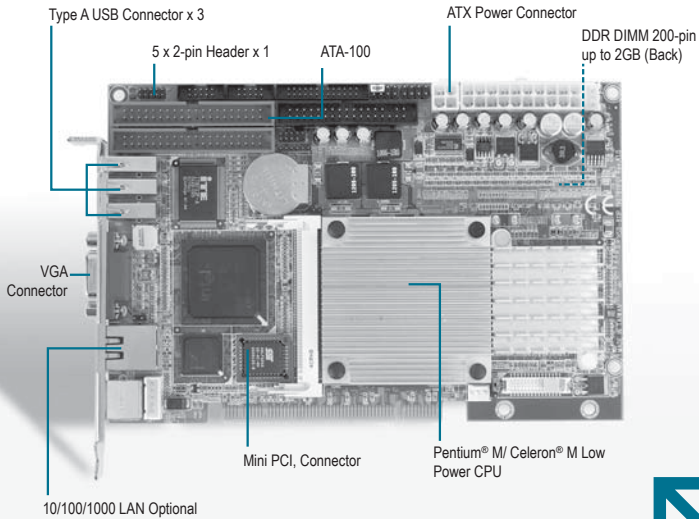


# HSB-811P

## Intel® Pentium® M PCI Half-size SBC CPU Fanless/ Socket Type



### Features

- Onboard Type/ Socket Type Low Power CPU, Pentium® M/ Celeron® M
- DDR 266 Memory Supports up to 2GB
- Integrated AGP 4X 2D/3D Graphics Accelerator, LVDS Support
- One 10/100/1000 Base-TX Ethernet (One 10/100 & GbE Optional)
- AC97 Codec Audio (Daughter Board Optional)
- Mini-PCI Type-III Socket
- USB 2.0 x 5/ RS-232 x 1, RS-232/422/485 x 1, Parallel x 1, IrDA x 1
- Ultra ATA-100 & CompactFlash™ Type II
- Watchdog Function 1~255 Sec.



### Specifications

System	
Form Factor	PCI Half-size SBC
Processor	Intel® Pentium® M/ Celeron® M CPU, FSB: 400MHz, Onboard 600MHz/ non-cache, on Board or Socket type
System Memory	2 x 200-pin 2.5V DDR SODIMM Socket, total up to 2GB, supports DDR memory (DDR200/266/333 for 82852GME) (DDR266/333 for 82855GME)
Chipset	Intel® 82852GME/ 82855GME + Intel® 82801DB (ICH4)
Ethernet	10/100Mb or 10/100/1000Mb LAN optional, RJ-45 X 1 Intel® 82562EZ / 82541GI controller
BIOS	Award Plug & Play FWH BIOS-4Mb ROM
IDE Interface	ATA-100 x 2 Channel (Supports two ATAPI devices)
SSD	Compact Flash™ Type II connector (Hot swappable)
Expansion Interface	PICMG/ PCI, Interface/ Mini PCI, Type III socket
Watchdog Timer	1~255 Sec. can be set with software on Super I/O
RTC	Internal RTC
Battery	Lithium battery
Power Requirement	ATX, ATX12V
Operating Temperature	32°F ~ 140°F (0°C ~ 60°C)
Board Size	7.3" (L) x 4.8" (W) (185 mm x 122 mm)
Gross Weight	0.71 lb (0.3 kg)
MTBF (Hours)	99,680
Power Consumption (Typical)	19W, onboard Celeron® 600MHz/ FSB 400MHz
Display	
	Supports CRT/ LCD simultaneous display
VGA Controller	Integrated on Intel® 82852GME/ 82855GME, AGP 4X, dual display support
Memory	Share system memory up to 128M
Resolutions	Up to 1280x1024@32bpp colors for CRT Up to 1280x1024@24bpp colors for LCD
LCD Interface	Integrated on Intel® 82852GME/ 82855GME, up to 48-bit dual channel LVDS
I/O	
	ICH 4 + ITE8712F
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 modes
Universal Serial Bus	USB 2.0 Ports x 5 5 x 2-pin header for internal x 1 Type-A Connectors onboard x 3
Floppy Drive Interface	One Standard Floppy Disk Drive port, supports up to two floppy devices
Keyboard and Mouse	One Mini-DIN PS/2 Keyboard and Mouse connector One internal keyboard pin header
IR Interface	Supports one IrDA header
Audio (Daughter Board)	Realtek ALC655 AC97 Codec, MIC-in/Line-in/Line-out/CD-in

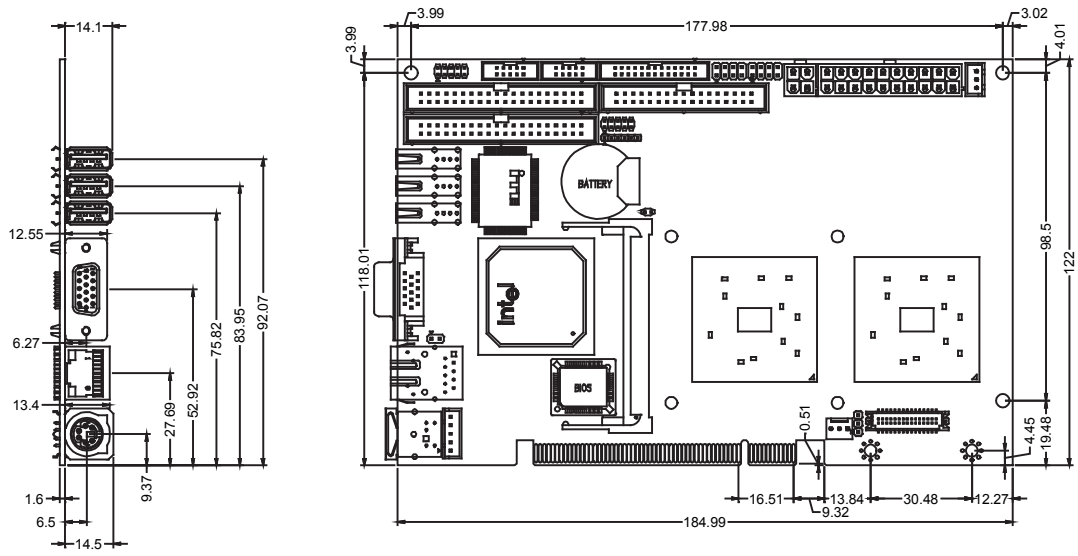
### Packing List

- **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 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

- **TF-HSB-811P-A11-V**  
Half-size PICMG/PCI, Pentium® M, ULV Celeron® M 600, VGA, LVDS, AC97, 5 USB, CF, M-PCI, ATX, Rev.A1.1
- **TF-HSB-811P-A11-VE**  
Half-size PICMG/PCI, Pentium® M, ULV Celeron® M 600, VGA, LVDS, LAN, AC97, 5 USB, CF, M-PCI, ATX, Rev.A1.1
- **TF-HSB-811P-A11-VG**  
Half-size PICMG/PCI, Pentium® M, ULV Celeron® M 600, VGA, LVDS, GbE LAN, AC97, 5 USB, CF, M-PCI, ATX, Rev.A1.1
- **TF-HSB-811P-A11-PE**  
Half-size PCI, CPU Card, Socket 479, VGA, 1 LAN, 5 USBs, CF, M-PCI, LVDS, AC97, ATX, Rev. A1.1
- **TF-HSB-811P-A11-VEC**  
Half-size PCI SBC, Socket 479 w/ Intel® 82855GME, VGA, LAN, 5 USB, CF, M-PCI, LVDS, ATX, Rev. A1.1

## Dimension Unit: mm



## Passive Backplane Options

P/N	Description	Master Interface	Slots (PCI/ ISA/ PICMG_PCI)	Power Connector, ATX Extend Function
TF-BP-208SP-P7-A10	Wallmount, PCI, 8-slot Backplane, 7 PCI, Single Segment, ATX, Rev.A1.0	PCI	(7/0/1)	ATX, 3-pin ATX extend
TF-BP-206SP-P4-A10	Wallmount, PCI, 6-slot Backplane, 4 PCI, Single Segment, ATX, Rev.A1.0	PCI	(4/0/2)	ATX, 3-pin ATX extend
TF-BP-205SP-P4-A12	Wallmount, PCI, 5-slot Backplane, 4 PCI, Single Segment, ATX, Rev.A1.2	PCI	(4/0/1)	ATX, 3-pin ATX extend
TF-BP-204SP-P3-A11	Wallmount, PCI, 4-slot Backplane, 3 PCI, Single Segment, AT/ATX, Rev.A1.1	PCI	(3/0/1)	ATX, 3-pin ATX extend

## Optional Accessories

- **TF-PER-U00A**  
AC97 Audio Daughter Board
- **1701400802**  
Flat Cable, 40P-40P-40P (UL: 2651, 15cm + 65cm), 80 cm for ATA33
- **1701400800**  
Flat Cable, 40P-40P-40P (UL: 20674, 15cm + 65cm), 80 cm for ATA100
- **1701400702**  
Flat Cable, 40P ATA-100 2.54 mm, 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