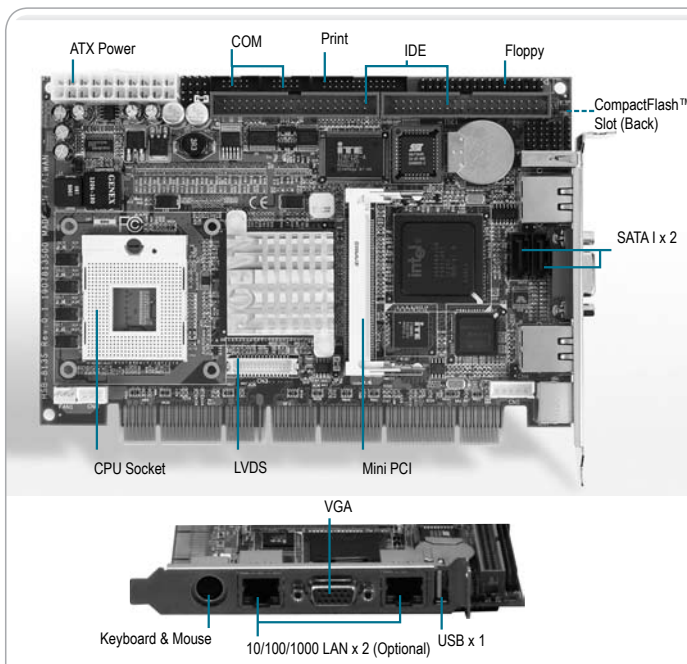


PCISA Half-Size SBC with Intel® Pentium® M/ Celeron® M Processor



Specifications

| System | |
|----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Form Factor | PCISA, Half-Size SBC |
| Processor | Intel® Pentium® M/ Celeron® M CPU, FSB: 400 MHz, Onboard 600 MHz/ non-cache, onboard or Socket type |
| System Memory | 200-pin 2.5V DDR SODIMM Socket x 2, up to 2 GB Supports DDR memory (DDR266/333) |
| Chipset | Intel® 82855GME + Intel® 82801DB (ICH4) |
| Ethernet | 10/100Base-TX x 2 or 10/100Base-TX x 1 + Gigabit Ethernet x 1, RJ-45 x 2, Intel® 82562EZ (10/100Base-TX) Intel® 82551QM (10/100Base-TX) Intel® 82541GI (10/100/1000Base-TX) |
| BIOS | Award Plug & Play ISA BIOS – 4 Mb ROM |
| Expansion Interface | PCISA Interface, Mini PCI Type III, ISA bridge ITE8888G |
| Watchdog Timer | 1~255 step can be set with software on Super I/O |
| RTC | Internal RTC |
| Battery | Lithium battery |
| Power Requirement | Standard ATX Power ATX 12V, +5V/ +12V/ -12V |
| Operating Temperature | 32°F ~ 140°F (0°C ~ 60°C) |
| Board Size | 7.3" (L) x 4.8" (W) (185mm x 122mm) |
| Gross Weight | 0.66 lb (0.3 kg) |
| MTBF (Hours) | 95,000 |
| Power Consumption (Typical) | 20W, with Pentium® 4 1.4 GHz/ FSB 400 MHz/ 2MB L2 Cache |
| Display | |
| Supports CRT/ LCD simultaneous display | |
| VGA Controller | Integrated on Intel® 82855GME, AGP 4X, dual displays support and LVDS output |
| Memory | Shared system memory up to 128 MB |
| Resolutions | 1280 x 1024@32bpp colors for CRT 1280 x 1024@24bpp colors for LCD |
| LCD Interface | Integrated Intel®82855GME up to 48-bit dual display LVDS |
| I/O | |
| ICH4 + ITE IT8712F | |
| Storage | ATA100 x 2 (Support four ATAPI devices), SATA I x 2 CompactFlash™ Type II x 1 Standard Floppy x 1 |
| Serial Port | COM port x 2: (Internal Pin Header x 2) COM 1: RS-232 COM 2: RS-232/422/485 (jumpsless selection) |
| Parallel Port | Supports SPP/ EPP/ ECP modes |
| Universal Serial Bus | USB2.0 x 5, 5 x 2 pin-header x 2 Type-A x 1 |
| PS/2 Port | Keyboard x 1; Mouse x 1 |
| IrDA | IrDA header x 1 |
| Audio (Daughter Board) | AC97 Codec, MIC-in/ Line-in/ Line-out/ CD-in |

Features

- Intel® Pentium® M/ Celeron® M Onboard/ Socket 479
- Intel® 82855GME + Intel® ICH4
- DDR333 Memory Up To 2 GB
- 10/100Base-TX x 2 or 10/100Base-TX x 1 + Gigabit Ethernet x 1
- Integrated AGP 4X 2D/3D Graphics Accelerator, LVDS Support
- AC97 Codec Audio Daughter Board (Optional)
- Ultra ATA100 x 2, SATA I x 2, CompactFlash™ Type II x 1
- USB2.0 x 5, COM x 2, Parallel x 1, IrDA x 1
- Mini PCI Type III Socket, PCISA Expansion
- ATX 2.1 Power



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 ATA100
- 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
- 1759200156**
CPU Cooler Fan
- Quick Installation Guide**
- Utility CD**
- HSB-813S**

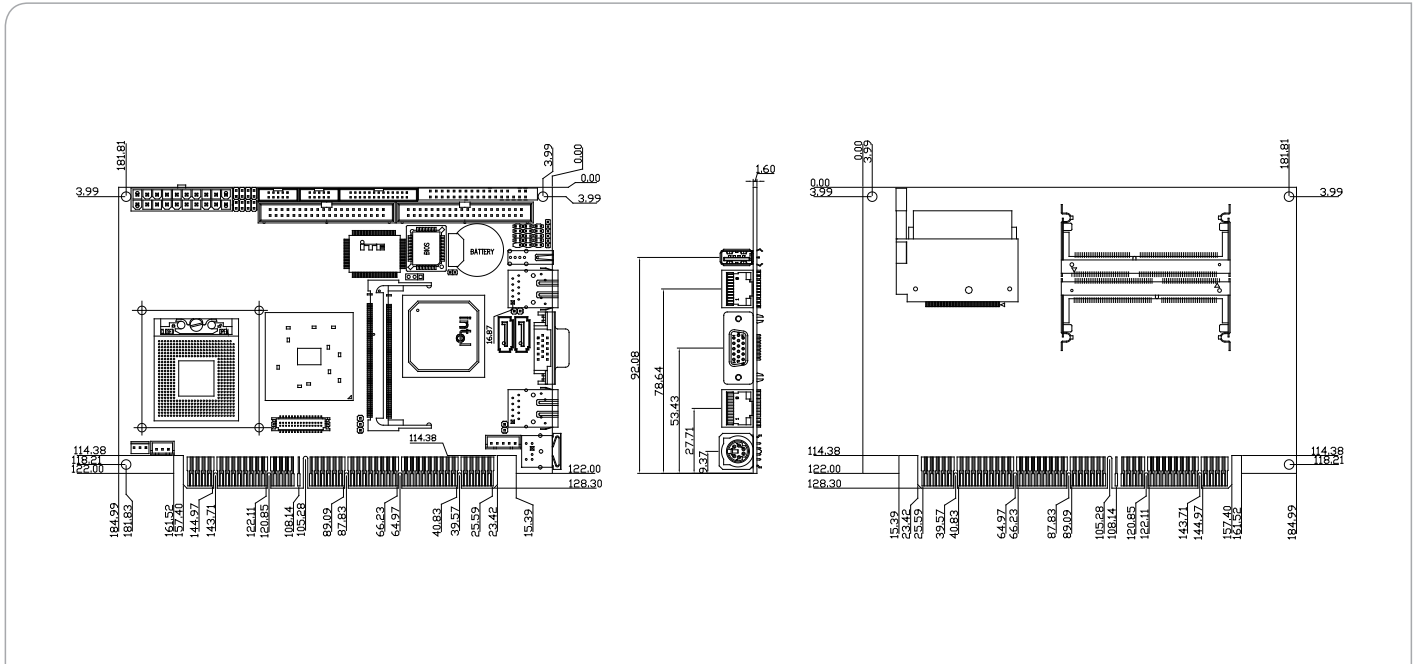
Ordering Information

- TF-HSB-A11-VE**
Half-Size PCISA, Socket 479 Pentium® M Processor CPU Card, VGA/LVDS, 10/100Base-TX Ethernet, 5 USB, CompactFlash™, Mini PCI, Rev. A1.1
- TF-HSB-813S-A11-E2**
Half-Size PCISA, Socket 479 Pentium® M Processor CPU Card, VGA/LVDS, 2 10/100Base-TX Ethernet, 5 USB, CompactFlash™, Mini PCI, Rev. A1.1
- TF-HSB-813S-A11-VG**
Half-Size PCISA, Socket 479 Pentium® M Processor CPU Card, VGA/LVDS, Gigabit Ethernet, 5 USB, CompactFlash™, Mini PCI, Rev. A1.1
- TF-HSB-813S-A11-EG**
Half-Size PCISA, Socket 479 Pentium® M Processor CPU Card, VGA/LVDS, 10/100Base-TX + Gigabit Ethernet, 5 USB, CompactFlash™, Mini PCI, Rev. A1.1

HSB-813S

Dimension

Unit: mm



Passive Backplane Options

| P/N | Description | Master Interface | Slots (PCI/ISA/PCISA) | Power ATX Extend Function |
|----------------|-------------------------------------------------------------------------|------------------|-----------------------|---------------------------|
| TF-BP-2045S-P1 | Wallmount, PCISA, 4-slot Backplane, 1 PCI, 2 ISA, Single Segment, AT | PCISA | 1/1/2 | AT |
| TF-BP-2045S-P2 | Wallmount, PCISA, 4-slot Backplane, 2 PCI, 1 ISA, Single Segment, AT | PCISA | 2/1/1 | AT, 6-pin ATX extend |
| TF-BP-2065S-P4 | Wallmount, PCISA, 6-slot Backplane, 4 PCI, 3 PCISA, Single Segment, ATX | PCISA | 4/0/3 | ATX, 6-pin ATX extend |

Optional Accessories

- **TF-PER-U00A**
AC97 Audio Daughter Board