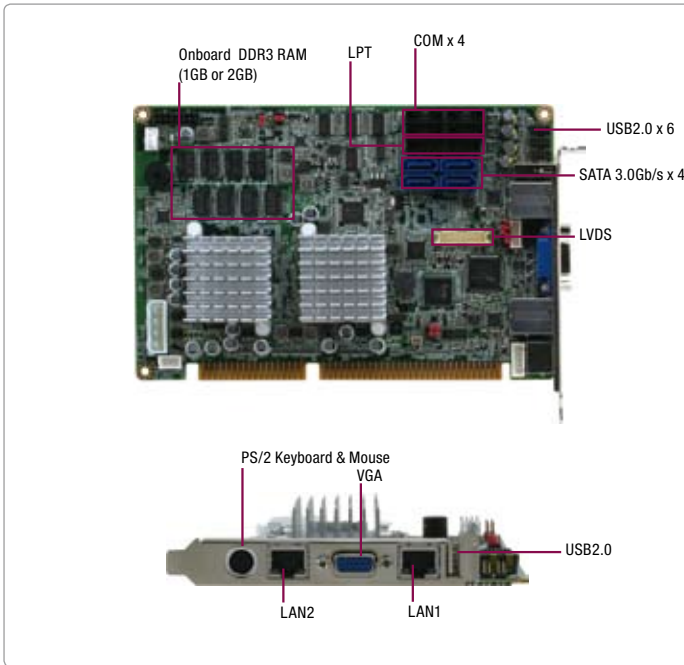


HSB-A550i

ISA Half-Size SBC with Onboard AMD® G-Series® T16R Processor

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Half-Size SBCs - ISA



Features

- Onboard AMD® G-Series T16R Processor
- AMD® A55E + ITE8888 Chipset
- Onboard 1066 MHz DDR3 SDRAM (Max. 2GB)
- Gigabit Ethernet x 2, VGA x 1, LVDS x 1
- Integrated AMD Radeon HD 6250(T16R) graphics engine
- HD Audio Codec with Realtek ALC888
- SATA 6.0Gb/s x 4 onboard, CompactFlash™ SATA Type II x 1
- USB2.0 x 7, COM x 4 (COM1: RS-232/422/485, COM2~4: RS-232)
- MIC-in/Line-in/Line-out (Optional Audio Daughter Board)
- Parallel x 1, COM x 2 (COM1: RS-232/422/485; COM2~4: RS-232)
- Up To 24-bit Dual-channel LVDS
- ISA Expansion, +5V, +12V Operation, AT Power



Specifications

| System | |
|-----------------------|---|
| Form Factor | ISA Half-Size SBC |
| Processor | AMD® G-Series T16R Processor |
| System Memory | Onboard 1066 MHz DDR3 SDRAM (Max. 2GB) |
| Chipset | AMD® A55E |
| Ethernet | Realtek® 8111E for 10/100/1000Base-TX, RJ-45 x 2 |
| Audio | HD Audio Codec with Realtek ALC888 |
| BIOS | AMI Plug & Play BIOS - 4MB ROM |
| Storage | SATA 6.0Gb/s x 4 |
| DSS | CompactFlash™ SATA Type II x 1 |
| Watchdog Timer | Programmable 1~255 steps System reset |
| H/W Status Monitoring | Monitoring system temperature, voltage, and cooling fan status |
| Expansion Interface | ISA |
| Power Requirement | +5V, +12V by ISA bus, onboard 4-pin power connector |
| Dimension (W x H x D) | 7.3" x 4.8" (185 mm x 122 mm) |
| Gross Weight | 0.71 lb (0.3kg) |
| Operation Temperature | 32 °F ~ 140 °F (0 °C ~ 60 °C) |
| Storage Temperature | -4 °F ~ 158 °F (-20 °C ~ 70 °C) |
| Operation Humidity | 10% ~ 80%, non-condensing |
| MTBF (Hours) | — |
| Display | |
| Graphic Engine | Integrated AMD Radeon HD 6250(T16R) graphics engine |
| Output Interface | VGA x 1, LVDS x 1 support up to 24-bit Dual-channel |
| Resolution | Up to 1600 x 1200 @ 60 Hz for CRT, Up to 1366 x 768 @ 60 Hz for LCD |
| I/O | |
| Storage | CF-SATA Type II (Master) x 1 |
| Serial port | RS232 x 3, RS232/422/485 x 1 |
| PS/2 Port | Mini-Din PS/2 K/B and Mouse x 1 |
| USB | USB2.0 x 7 (Type A x 1, 5x2-pin header x 6) |
| Audio | MIC-in/Line-in/Line-out (optional audio daughter board) |
| Ethernet | RJ-45 x 2 |
| Display | VGA x 1 |

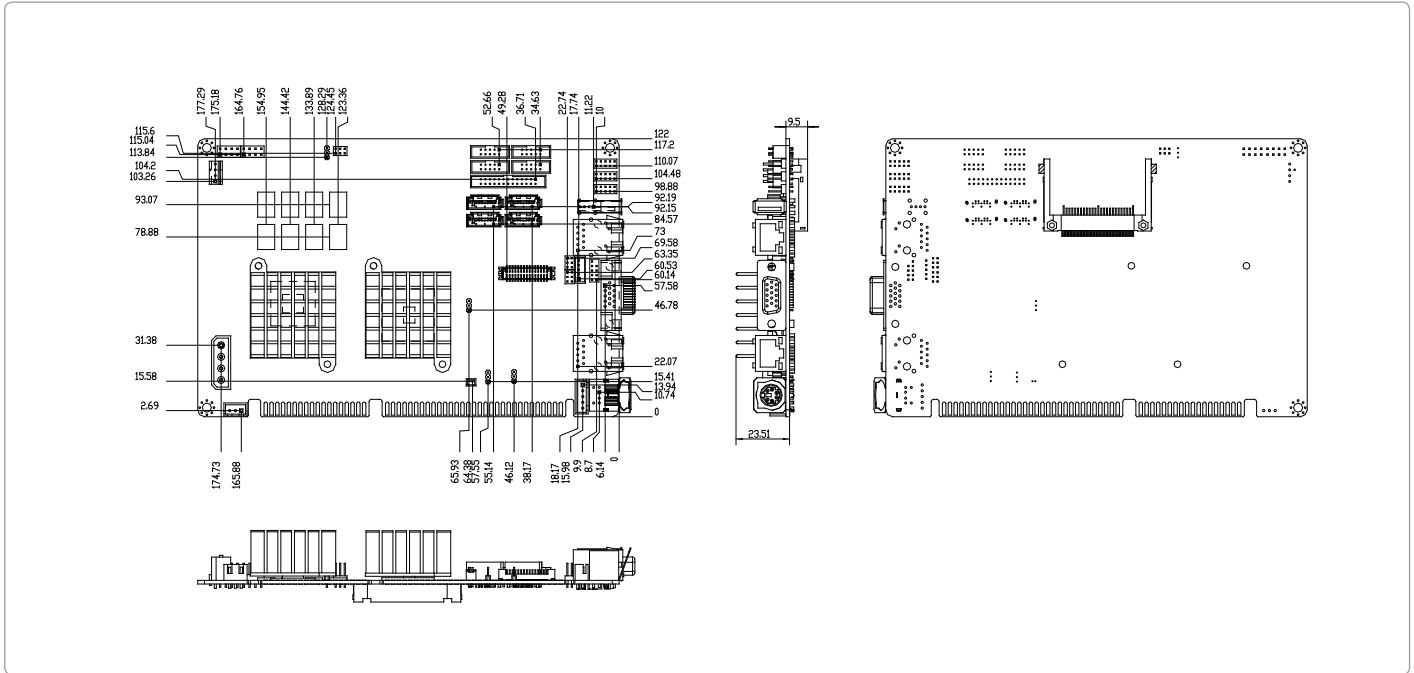
Packing List

- 9681666600
Cable Kit for HSB Series
- 1709070800
SATA Cable
- Product CD
- HSB-A550i

HSB-A550i

Dimension

Unit: mm



Passive Backplane Options

| P/N | Description | Master Interface | Slots (PCI/ ISA/ PICMG_PCI) | Power ATX Extend Function |
|-------------|---|------------------|--------------------------------|------------------------------|
| TF-BP-204SI | Wallmount, ISA, 4-slot Backplane, 4 ISA, Single Segment, AT | ISA | (0/4/0) | AT |
| TF-BP-206SI | Wallmount, ISA, 6-slot Backplane, 6 ISA, Single Segment, AT/ATX | ISA | (0/6/0) | AT/ATX |
| TF-BP-214SI | Rackmount, ISA, 14-slot Backplane, 14 ISA, Single Segment, AT | ISA | (0/14/0) | AT |

Ordering Information

| Part Number | CPU | RAM | Fan/Fanless | Display | Storage | LVDS | LAN | USB | RS-232 | RS-232/422/485 | Expansion Slot | Power | Temp. |
|------------------|----------|------------|-------------|------------|-------------------------------|---------------------|---------|------------|--------|----------------|----------------|---------------|------------|
| HSB-A550i-A10-G2 | AMD T16R | 1G onboard | Fanless | VGA + LVDS | SATA3 x 4, IDE x 1, CF x 1 | 24-bit Dual Channel | GbE x 2 | USB2.0 x 5 | 3 | 1 | ISA | +5V, +12V, AT | 0°C ~ 60°C |

Optional Accessories

- **TF-PER-U01H**
HD Codec Audio Daughter Board