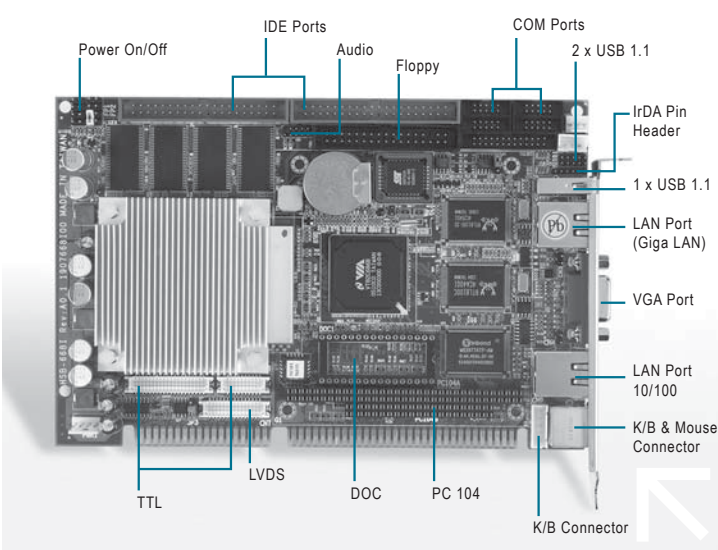


HSB-6681

Computing Platform Service Partner

Onboard VIA Mark CoreFusion 533MHz Processor



Features

- Onboard VIA CoreFusion 533MHz Processor
- Supports One SODIMM SDRAM, Memory Up To 512MB
- Integrated ProSavage4 Graphic, 2D/3D VGA Support
- Extensive 2 Channel 36-bit LVDS LCD Support
- Integrated AC97 Codec Audio (Daughter Board Optional)
- Supports Two 10/100Mb Base-TX Ethernet (One 10/100 & GbE Optional)
- Supports Two Ultra ATA100 Channel
- Supports DOC2000
- Supports PC-104 Interface Socket
- 3 USB 1.1/ 3 RS-232, 1 RS-232/422/485/ 1 Parallel/ 1 IrDA Ports
- Watchdog Function 1 ~ 255 Sec.
- ISA High-driver Support

Specifications

System	
Form Factor	ISA Half-size SBC
Processor	Onboard VIA Mark CoreFusion 533MHz CPU
System Memory	1 x 144-pin 3.3V SODIMM Socket up to 512MB (onboard 128MB memory optional), supports PC100/133 types
Chipset	Mark + VT82C686B
Ethernet	10/100Mb or 10/100/1000Mb LAN optional, RJ-45 x 2, Realtek 8100C/8110S controller
BIOS	Award Plug & Play ISA BIOS – 2Mb ROM
IDE Interface	2 x ATA-100 (Support four ATAPI devices)
SSD	DOC 2000 support
Expansion Interface	ISA interface/ PC-104
Watchdog Timer	1~255 Sec. can be set with software
RTC	Internal RTC
Battery	Lithium battery
Power Requirement	+5V only, Mini 4pin power connector
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	0.7 lb (0.3 kg)
MTBF (Hours)	82,470
Power Consumption (Typical)	14W, Onboard VIA Mark 533 MHz
Display	
Supports CRT and LCD simultaneous display	
VGA Controller	Integrated on Mark
Memory	32MB frame buffer share system
Resolutions	Up to 1600x1200@32bpp colors for CRT Up to 1280x1024@24bpp colors for LCD
LCD Interface	Up to 36-bit LVDS/ TTL LCD support
I/O	
I/O Chipset: VT686B + Winbond 83977ATF	
IR Interface	Supports 1 x IrDA and CIR header
Audio (Daughter Board)	AC97 Codec, MIC-in/ Line-in/ Line-out/ CD-in
Floppy Drive Interface	1 x Standard Floppy Disk Drive
Serial Port	4 x COM ports: (Internal Pin Header, External D-sub x 2) COM 1, 3, 4: RS-232 COM 2: RS-232/422/485(Pin 9 support +5V by Jumper)
Parallel Port	1x Parallel Port supports SPP/ EPP/ ECP mode
Keyboard and Mouse	1 x Mini-DIN PS/2 K/B and Mouse connector 1 x internal keyboard pin header
Universal Serial Bus	1 x USB 1.1 Port One 5x2 pin header for internal



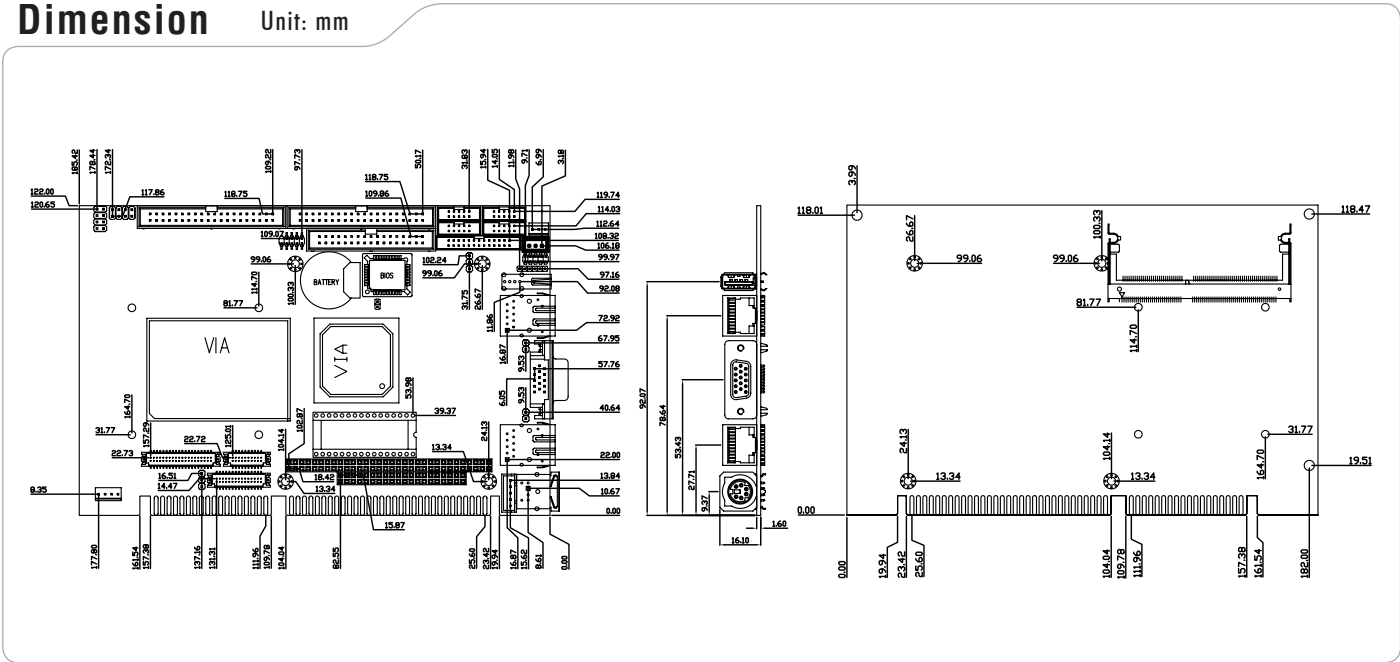
Packing List

- 1701340704 Floppy Cable
- 1701400453 ATA-100 Cable
- 1709100201 USB Cable
- 1700060192 Keyboard Cable
- 1701010305 Serial + Parallel Cable
- 1703030501 ATX Cable
- 1701260307 2 Serial Cables
- 170110030A Serial Cable
- Quick Installation Guide
- Utility CD
- HSB-6681

Ordering Information

- **TF-HSB-6681-A10-VE**
Half-size ISA SBC, VIA Mark 533M CPU, 128MB SDRAM, VGA, 1 LAN, 3 USB, LVDS, DOC2000, AC97, Rev. A1.0
- **TF-HSB-6681-A10-VG**
Half-size ISA SBC, VIA Mark 533M CPU, 128MB SDRAM, VGA, Gbe LAN, 3 USB, DOC2000, AC97, Rev. A1.0
- **TF-HSB-6681-A10-E2**
Half-size ISA SBC, VIA Mark 533M CPU, 128MB SDRAM, VGA, 2 LANs, 3 USB, LVDS, DOC3200, Rev. A1.0
- **TF-HSB-6681-A10-EG**
Half-size ISA SBC, VIA Mark 533M CPU, 128MB SDRAM, VGA, 1 10/100 LAN, 1 Gbe LAN, 3 USB, LVDS, DOC2000, Rev. A1.0
- **TF-HSB-6681-A10-V**
Half-size ISA SBC, VIA Mark 533M CPU, 128MB SDRAM, VGA, 3 USB, LVDS, DOC2000, Rev. A1.0

Dimension Unit: mm



Passive Backplane Options

P/N	Description	Master Interface	Slots (PCI/ ISA/ PICMG)	Power Connector, ATX Extend Function
TF-BP-204SI-A13	Wallmount, ISA 4-slot Backplane, 4 ISA Single Segment, AT, Rev.A1.3	ISA	(0/4/0)	AT
TF-BP-206SI-V60	Wallmount, ISA 6-slot Backplane, 6 ISA Single Segment, AT, Rev.A6.0	ISA	(0/6/0)	AT
BP-208SI-A00	Wallmount, ISA 8-slot Backplane, 8 ISA Single Segment, AT, Rev.A0.0	ISA	(0/8/0)	AT
BP-214SI-V61	Wallmount, ISA 14-slot Backplane, 14 ISA Single Segment, AT, Rev.A0.0	ISA	(0/14/0)	AT

- 01** Full-size SBDS
- 02** Half-size SBDS
- 03** Industrial Motherboards
- 04** Industrial Chassis
- 05** Network Appliances
- 06** Industrial Backplanes
- 07** Daughter Boards
- 08** Embedded Motherboards
- 09** Mini PC Modules
- 10** Sun-readable & Vehicle LCD Monitors
- 11** Accessories