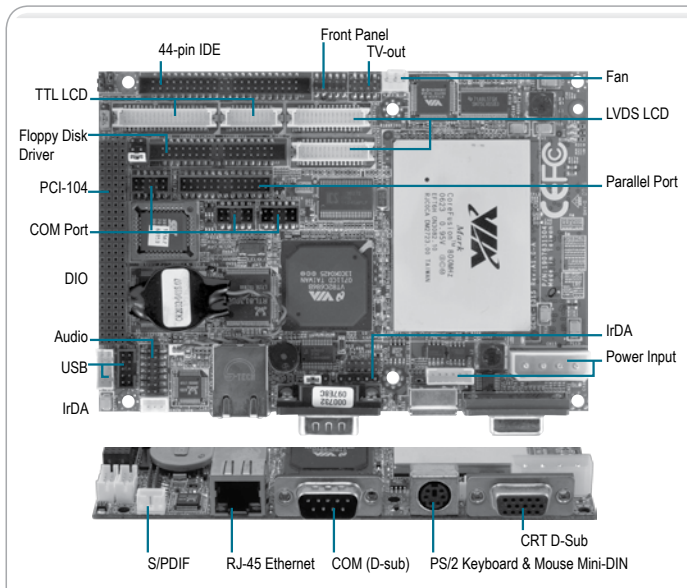


# GENE-6315

## 3.5" SubCompact Board With VIA Mark Low Power Processors



## Features

- Onboard VIA Mark Series Processors 533/800 MHz
- VIA Mark + VT 82C686B
- SODIMM PC-133 Max. 512 MB
- 10/100Base-TX Ethernet x 1
- 18-bit Dual-channel TTL/LVDS LCD, 24-bit TTL/ LVDS LCD, CRT
- AC97 2.3 Codec With S/PDIF Function
- EIDE x 1, Floppy Disk Drive x 1, Type II CompactFlash™ x 1
- USB 2.0 x 2, USB 1.1 x 2, 8-bit Digital I/O, COM x 4, Parallel x 1
- PCI-104 Expansion
- +5V Only Operation



## Specifications

System	
Form Factor	3.5"
Processor	Onboard VIA Mark 533/800 MHz Processors with FSB 100/133 MHz
System Memory	144-pin SDRAM SODIMM x 1, max. 512 MB (PC-133)
Chipset	VIA Mark + VT82C686B
I/O Chipset	Winbond W83977EF
Ethernet	Realtek RTL8100BL, 10/100Base-TX, RJ-45 x 1
BIOS	Award Plug & Play ISA BIOS - 256 KB ROM
Wake On LAN	Yes
Watchdog Timer	Generates a time-out system reset
H/W Status Monitoring	Supports power supply voltages , Fan speed and temperature monitoring
Expansion Interface	PCI-104 x 1
Battery	Lithium battery
Power Requirement	+5V Only, AT/ATX
Power Consumption (Typical)	VIA Mark 800 MHz, PC-133 512 MB +5V@3.12A
Board Size	5.75" (L) x 4" (W) (146 mm x 101.6 mm)
Gross Weight	0.88 lb (0.4 kg)
Operating Temperature	32°F ~ 140°F (0°C ~ 60°C)
Storage Temperature	-40°F ~ 176°F (-40°C ~ 80°C)
Operating Humidity	0% ~ 90% relative humidity, non-condensing
MTBF (Hours)	70,000
Display	Supports CRT/LCD, CRT/TV simultaneous display
Chipset	VIA Mark
Memory	Shared system memory up to 32 MB
Resolutions	Up to 1600 x 1200 @ 24bpp for CRT Up to 1280 x 1024 @ 18bpp for LCD
LCD Interface	18-bit dual-channel TTL/ LVDS & 24-bit single channel TTL/ LVDS
TV-out	Supports NTSC and PAL standard, S-Terminal and Composite Video
I/O	
Storage	EIDE x 1 (UDMA 33 for two devices), Type II CompactFlash™ x 1, Floppy Disk Drive x 1
Serial Port	RS-232 x 3, RS-232/422/485 x 1
Parallel Port	SPP/ EPP/ ECP mode
USB	USB2.0 x 2 (unable to boot via USB), USB1.1 x 2
PS/2 Port	Keyboard x 1, Mouse x 1
Digital I/O	Supports 8-bit (Programmable)
IrDA	One IrDA Tx/Rx header
Audio	Mic-in, Line-in, Line-out, CD-in, S/PDIF in/out

## Packing List

- **9681631500**  
Cable Kit
  - 1701440500 IDE Cable
  - 1701100206 COM Port Cable
  - 1701260200 Parallel Port Cable
  - 1700080180 TV-Out Cable
  - 1700060152 Keyboard/Mouse Cable
  - 1701340080 Floppy Disk Drive Cable
  - 1709100201 USB Cable
  - 1709030150 SPDIF Cable
  - 1700140510 Audio Cable
- Heatsink
- Quick Installation Guide
- Utility CD
- GENE-6315

## Ordering Information

- **TF-GENE-6315-A10 (Fanless)**  
3.5" Board, VIA Mark 800 MHz, LCD-TV, SDM, LAN, Audio, 4 COM, USB2.0, CompactFlash™, PCI-104, Rev. A1.0
- **TF-GENE-6315-A10-01(Fanless)**  
3.5" Board, VIA Mark 533 MHz, LCD-TV, SDM, LAN, Audio, 4 COM, USB2.0, CompactFlash™, PCI-104, Rev. A1.0

## Optional Accessories

- **1702200205**  
Conversion Cable for ATX Power Supply, Length 20cm
- **175920010P**  
(TF) Cooler Fan + Heatsink, 5V, 20mm Height, for GENE-6315
- **TF-PFM-P13DW2-A10-01**  
PC/104 Board, Power Supply Module, Output, PCI-104, Rev. A1.0, WITAS II
- **TF-PCM-FA00-A10**  
PC/104\* Mini-PCI, Module Converter, Rev A1.0