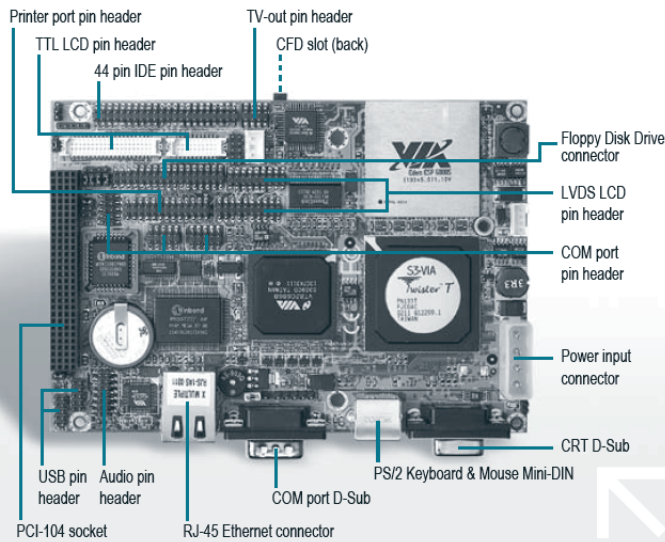


GENE-6310 Rev.B

VIA C3™ Low Power Processor



Specifications

System	
CPU	Onboard VIA C3™ 1GHz, Eden 667/400MHz processor
System Memory	144-pin SDRAM SODIMM x 1, Max. 512MB (PC-100/133)
Chipset	VIA VT8606 + VT82C686B
I/O Chipset	VIA VT82C686B + Winbond 83977EF (GENE-6310 Rev.B)
Ethernet	Realtek RTL 8100BL, 10/100Base-TX RJ-45 connector x 1
BIOS	AWARD 256KB FLASH ROM
Watchdog Timer	Generates a time-out system reset
H/W Status Monitoring	Supports power supply voltages, fan speed and temperature monitoring
SSD	Type II CompactFlash™ slot x 1
Expansion Interface	PCI-104 socket x 1
Battery	Lithium battery
Power Requirement	+5V. AT/ATX
Board Size	5.75"(L) x 4"(W) (146mm x 101.6mm)
Gross Weight	0.88lb (0.4kg)
Operating Temperature	32°F ~ 140°F (0°C ~ 60°C)
Display	Supports CRT / LCD and CRT / TV simultaneous display
Chipset	VIA VT8606
Memory	Shared system memory up to 32MB
Resolutions	up to 1600x1200@32bpp colors for CRT up to 1024x768@18bpp colors for LCD
LCD Interface	36/18-bit TTL/LVDS TFT/DSTN LCD
TV-out	Supports NTSC and PAL standard
I/O	
MIO	EIDE x 1(UDMA33 x 1), Floppy Disk Drive x 1, Keyboard+Mouse x 1, RS-232 x 3, RS-232/422/485 x 1, Parallel x 1
IrDA	One IrDA Tx/Rx header
Audio	MIC-in, Line-in, Line-out
USB	Two 5x2 pin headers support 4 USB1.1 ports(USB doesn't support Wake-up function)

Features

- Onboard VIA C3™ Low Power Processor
- 18/36-bit Dual Channel LVDS/TTL TFT/DSTN LCD
- AC-97 High-quality Audio
- Supports Type II CompactFlash™ Memory
- 4 COM / 4 USB / TV-out Ports
- +5V Only Operation



Packing List

- 1701440500 IDE Cable
- 1701340600 Floppy Disk Drive Cable
- 1701100206 COM Port Cable
- 1701260200 Parallel Port Cable
- 1700080180 TV-out & S-terminal Cable
- 1700060192 Keyboard/Mouse Cable
- 1700140510 Audio Cable
- 1709100201 USB Cable
- 9657666600 1µm Cap
- Quick Installation Guide
- Utility CD
- GENE-6310 Rev.B IDE Cable
- 1701440500 IDE Cable
- 1701340600 Floppy Disk Drive Cable
- 1701100206 COM Port Cable
- 1701260200 Parallel Port Cable
- 1700080180 TV-out & S-terminal Cable
- 1700060192 Keyboard/Mouse Cable

Ordering Information

- GENE-6310-B10-01**
SubCompact Board, Eden 6000S, with LCD, LVDS, LAN, Audio, TV-out, CF, 4COM, Rev. B1.0
- GENE-6310-B10-03**
SubCompact Board, Eden 4000, with LCD, LVDS, LAN, Audio, TV-out, CF, 4COM, Rev. B1.0
- GENE-6310-B10-04**
SubCompact Board, C3 1.0G, LCD-TV, SDM, LAN, Audio, 4COM, USB, CF, PCI-104, Rev. B1.0
- GENE-6310-B11**
SubCompact Board, Eden 667, LCD-TV, SDM, LAN, Audio, 4COM, USB, CF, PCI-104, Rev. B1.1
- GENE-6310-B11-01**
SubCompact Board, C3 1.0G, LCD-TV, SDM, LAN, Audio, TV-out, 4COM, USB, CF, PCI-104, Rev. B1.1
- GENE-6310-B11-02**
SubCompact Board, Eden 400, LCD-TV, SDM, LAN, Audio, 4COM, USB, CF, PCI-104, Rev. B1.1

Optional Accessories

- 1702200205 (for GENE-6310 Rev.B)**
Converted Cable for AT to ATX Power Supply (200 ±10mm) for GENE-6310B/6320/6330
- OS-CE-400-6310**
Windows® CE .NET (Rev.4.0) SDK for GENE-6310, English Version GENE-6310B/6320/6330
- OS-CE-420-6310**
Windows® CE .NET (Rev.4.2) SDK for GENE-6310, English Version
- OS-CE-420-6310B**
Windows® CE .NET (Rev.4.2) SDK for GENE-6310 Rev.B, English Version
- CFC-032**
32MB CompactFlash™ Card, 3.3/5V, suggested for Windows® CE .NET image

Compact

Subcompact

Embedded

Media Stations

PC/104 CPU Modules

ETX CPU

RISC CPU

Mini PCI Module

PC/104 Peripherals

Full-size SBC

Half-size SBC