



### Features

- 3.5" FDD SubCompact Form Factor
- Onboard NS Geode GX1-300 Low-power BGA CPU
- Supports CRT and 18-bit TFT Panels
- LVDS interface (GENE-4310S/T Only)
- TV-out interface (GENE-4310T Only)
- One 10/100Base-T Fast Ethernet
- Integrated AC-97 2.0 Sound Blaster compatible Audio
- Supports Type I CompactFlash Memory
- 2 COMs / 1 Parallel / 2 USBs / 1 IrDA
- 5V only operation



### Specifications

#### System

- CPU: Onboard NS Geode GX1 300MHz processor
- System Memory: SDRAM SODIMM X 1, Max. 128MB
- Chipset: NS CS5530A
- I/O Chipset: Winbond W83977. Fully 16-bit I/O decoded
- BIOS: Award 256KB FLASH BIOS
- Ethernet: Intel® 82559ER, 10/100Base-T RJ-45 connector x 1
- SSD: Type I CompactFlash socket
- Watchdog timer: Can generate a system reset, IRQ
- Expansion Interface: PC/104 connector x 1
- Battery: Lithium battery
- DMA: 7 DMA channels (8237 equivalent)
- Interrupt: 15 interrupt levels (8259 equivalent)
- H/W status monitoring: Winbond W83781D H/W status monitoring IC supports power supply voltages, fan speed, and temperatures monitoring
- Power supply voltage: +5V (4.75V to 5.25V), AT.
- Size/ Weight: 5.75" (L) x 4" (W) (146 mm x 101.6 mm), 0.88lb. (0.4Kg)
- Operating temperature: 32°F to 140°F (0°C to 60°C)

#### I/O

- MIO: IDE (UDMA33) x 1, FDD x 1, KB+Mouse x 1, RS-232 x 1, RS-232/422/485 x 1, Parallel x 1
- IrDA: One IrDA Tx/Rx header
- Audio: NS CS5530A, AC97 2.0 compliant
- USB: One 5x2 pin header supports 2 USB 1.1 ports

#### Display

- Chip: NS CS5530A
- Memory Size: Shared memory up to 4MB
- Resolution: Up to 1024 x 768@ 16bpp colors for CRT
- LCD Interface: Up to 18-bit TFT LCD panels.
- TV-out: Chrontel 7003 (GENE-4310T only)
- LVDS Interface: 18-bit LVDS LCD panel (GENE-4310S/T only)

### Packing List

- IDE cable: 1701440500
- FDD cable: 1701340600
- COM port cable kit (1 parallel, 1 serial): 1701010302
- Audio cable: 1700140510
- TV-OUT & S-Terminal cable(GENE-4310T only): 1700080180
- KB/Mouse cable: 1700060192
- USB Cable: 1709100201
- Jumper Cap: 9657666600
- LVDS cable(GENE-4310S/T only): 1701200201
- Quick Installation Guide
- Utility CD

\* GENE-4310 offers embedded Linux solution that was developed by an AAEON business partner, Redsonic. Please visit : [www.redsonic.com](http://www.redsonic.com) for detailed information.