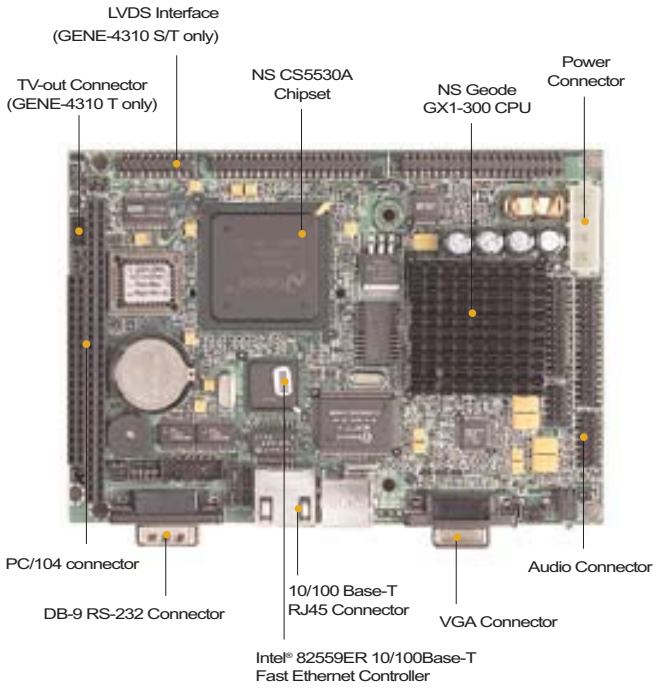
GENE-4310 Series

NS Geode GX1-300

LCD LVDS TV-out Ethernet Audio



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

IT'S VERY WELL MADE IN TAIWAN Windows® CE Windows CE.net *

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) × 4" (W) (146 mm × 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 ×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 parter, Redsonic. Please visit : www.redsonic.com for detailed information.

All specifications are subject to change without notification.