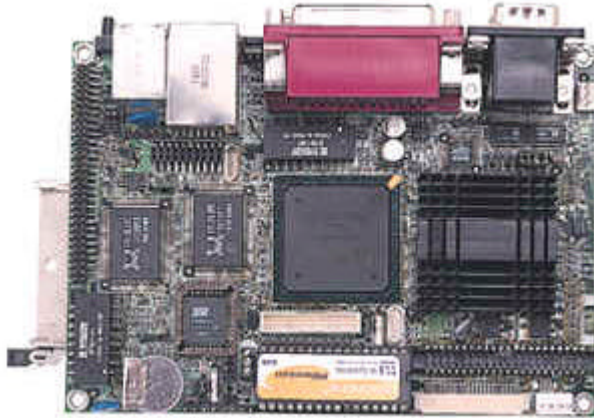


# - Embedded Platform -

## 3.5" NS GX1-300 SBC with VGA/LCD/Dual LAN/Sound/TV/GPS/CompactFlash

# EM-351A

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### ● FEATURES

- On-board 1.8V low power CPU (NS Geode GX1-300MHz)
- NS Geode CS5530A, display memory shared with system memory 2MB
- One SODIMM socket
- Built-in VGA/LCD/TV and sound functions, support multimedia application
- Support Dual-10/100 Base-T Ethernet interface
- Sockets for CompactFlash socket, support Hot Swap feature
- Reserved Header for GPS module
- Four COM ports and two parallel ports
- 3.5" Form Factor
- Two USB ports

### ● SPECIFICATION

|                          |  |
|--------------------------|--|
| <b>CPU</b>               | Geode™ 300 MHz low power CPU on-board  |
| <b>Chipset</b>           | NS Geode™ CS5530A, Realtek RTL8139C, Winbond 83977 and 83977 I/O chipsets, CHRONTEL CH7003B TV Encoder, AD1881 Audio CODEC |
| <b>BIOS</b>              | 256KB Award license BIOS   |
| <b>System memory</b>     | One SODIMM socket, support up to 128MB SDRAM   |
| <b>VGA/LCD</b>           | NS Geode™ CS5530A, shared memory 2MB, resolution up to 1024x768 @ 64K colors   |
| <b>TV</b>                | NTSC/PAL mode, support Composite/ S-video/ R-G-B output  |
| <b>Sound Output</b>      | Built-in sound function, include Mic-in/Line-in/ Line-out/ Speaker-out connectors  |
| <b>Ethernet</b>          | Two Realtek RTL8139C, support Dual-10/100 Base-T interface   |
| <b>Flash Memory Disk</b> | Reserved socket for DiskOnChip® from M-System, support up to 72MB flash memory disk  |

|                               |  |
|-------------------------------|--|
| <b>GPS</b>                    | Reserved Header for GPS Kit  |
| <b>CompactFlash</b>           | One CompactFlash socket, support ATA mode, Type II   |
| <b>IDE Interface</b>          | One PCI IDE port, support up to two IDE devices. Supports PIO mode 4 and Bus Master. Also supports Multi-word DMA and Ultra DMA/33 |
| <b>Floppy Drive Interface</b> | One FDD port, support one floppy device  |
| <b>Serial Port</b>            | Four COM ports, 3 x RS-232 and 1 x RS-232/422/485  |
| <b>Parallel Port</b>          | Two multi-mode parallel port (SPP/EPP/ECP)   |
| <b>Keyboard/Mouse</b>         | 1 x 6-pin mini-DIM PS/2 keyboard/mouse connector   |
| <b>Universal Serial Bus</b>   | Support 2 USB ports  |
| <b>IR Interface</b>           | Support 1 IrDA header  |
| <b>RTC</b>                    | Internal RTC with Li Battery   |
| <b>Power Management</b>       | I/O peripheral devices support power saving and doze/standby/suspend modes. APM 1.2 compliant                                      |
| <b>Power Connector</b>        | On-board 4-pin power connector (+12, GND, GND, +5)   |
| <b>Operating Temperature</b>  | 0C ~ 60C   |
| <b>Storage Temperature</b>    | -10C ~ 70C   |
| <b>Humidity</b>               | 5% ~ 95%, non-condense   |
| <b>Dimensions</b>             | 145 x 102 mm (5 3/4" x 4")   |
| <b>Net Weight</b>             | 250g (0.55 pounds)   |