

Embedded Single Board Computer

Low Profile, Low Power, Embedded Solution

LE-340

**3.5" Drive-size Embedded GX1-300 MHz Miniboard
with Onboard NS Geode GX1 300 MHz Embedded CPU
Flat Panel/CRT SVGA, Dual 10/100 Mbps LAN
AC97 3D Audio, PC/104, CompactFlash Interfaces**



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|----------------------------|---|
| Form Factor | 3.5" Drive-size Embedded Miniboard Computer |
| CPU | Onboard NS Geode GX1 300 MHz embedded low power CPU, x86 compliant Optional GX1 CPU on other speed (200/233/266 MHz) for OEM projects |
| Memory | One 144-pin SODIMM slot supports up to 256 MB SDRAM |
| Chipset | NS Geode GX1 CS5530A chipset |
| Watchdog Timer | 256-level generates NMI or system reset watchdog timer |
| Real Time Clock | NS Geode GX1 CS5530A chipset built-in RTC with onboard lithium battery |
| Expansive Interface | PC/104 interface supports additional ISA-based PC/104 interface modules |
| PCI Enhanced IDE | One UltraATA/33 bus master IDE channels up to two ATAPI devices |
| VGA Interface | CS5530A built-in flat panel / CRT SVGA controller with 4 MB of video memory shared with system memory up to 18-bit TFT display, 1280 x 1024 @ 64K, 1024 x 768 @ 16M colors Optional LVDS flat panel interface module |
| LAN Interface | Dual RTL8139C 10/100 Mbps LAN interfaces 10BASE/100BASE-Tx Fast Ethernet, auto-switching, IEEE802.3U compliant Dual external RJ45 connectors Optional dual Intel 82559(ER) LAN controller for OEM projects |
| Audio Interface | AC97 3D audio interface with line-in, line-out, CD-in, Mic-in |
| Multi-I/O Port | 1 x RS-232 and 1 x RS-232/422/485 serial port 2 x USB ports with USB version 1.1 compliant 1 x SPP/EPP/ECP parallel port 1 x IrDA port 1 x FDD port 1 x PS/2 keyboard / mouse port |
| Solid State Disk | CompactFlash (CF) type-II socket Default setted as bootable, secondary slave ATAPI device Supports compact flash card (CFC) or IBM MicroDrive embedded flash disk Memory capacity up to 1 GB |
| External Connector | COM1 (DB9 male), VGA (DB15 female), PS/2 keyboard and mouse, dual LAN |
| Environment | Power Requirement: +5V only operating supported Board Dimension (L x W): 146 x 101 mm (3.5" HDD size) Operation Temperature: 0 ~ 60°C (32 ~ 140°F) |
| Ordering Option | LE-340VL2 with 300 MHz CPU, VGA, Audio, Dual RTL8139C LAN |

Online product information detail and updates are available at: <http://www.commell.com.tw>