

Embedded Single Board Computer

GX1 Embedded Solution with PCMCIA Interface

LE-542

**5.25" Drive-size Embedded GX1-300 MHz Littleboard with Onboard NS Geode GX1 300 MHz Embedded CPU
Flat Panel/CRT SVGA, 10/100 Mbps LAN, 3D Audio
PCMCIA Type-I/II PC Card Interface
CompactFlash and DiskOnChip Solid State Disk**



Form Factor	5.25" Drive-size Embedded Littleboard Computer
CPU	Onboard NS Geode GX1 300 MHz embedded low power CPU, x86 compliant <i>Optional GX1 CPU on other speed (200/233/266 MHz) for OEM projects</i>
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	One PCI slot and one PCMCIA type-II interface
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	PCI RTL8139C 10/100 Mbps LAN interfaces 10BASE/100BASE-Tx Fast Ethernet, auto-switching, IEEE802.3U compliant
Audio Interface	AC97 3D audio interface with line-in, line-out, CD-in, Mic-in
PCMCIA Interface	One PCMCIA type-II interface with RICOH R5C475II chipset
Multi-I/O Port	2 x RS-232 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	One CompactFlash (CF) type-II socket and one DiskOnChip socket Both of them are bootable, CF is setted as secondary slave ATAPI device Supports CFC / IBM MicroDrive and M-systems DiskOnChip flash disk
External Connector	COM1 (DB9), audio, PS/2 keyboard and mouse, LAN (RJ45), VGA (DB15)
Environment	Power Requirement: +5V only operating supported Board Dimension (L x W): 203 x 146 mm (5.25" drive size) Operation Temperature: 0 ~ 60°C (32 ~ 140°F)
Ordering Option	LE-542VL with 300 MHz CPU, VGA, Audio, LAN and PCMCIA

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