

Industrial Single Board Computer



Embedded GX1 Solution with onboard SDRAM

LE-540

**5.25" Drive-size EBX Embedded GX1 Miniboard
Onboard NS GX1 300 MHz CPU and 64 MB SDRAM
LVDS/TTL TFT/DSTN LCD/CRT SVGA, LAN, Audio
4 COM, 8-bit GPIO Port, PC/104 Interface
and CompactFlash Flash Disk Socket**



Form Factor	5.25" Drive-size Embedded Miniboard Computer, EBX compliant
CPU	Onboard NSGeode GX1 300 MHz embedded low power CPU, x86 compliant Optional GX1 CPU on other speed (200/233/266 MHz) for OEM project
Memory	Onboard 64 Mbytes SDRAM and one 168-pin DIMM socket up to 256 MBytes SDRAM, Total system memory capacity up to 320 MBytes SDRAM
Chipset	NS Geode GX1 CS5530Achipset
Watchdog Timer	System reset watchdog timer with 32 sec. to 256 min. of timeout value
Real Time Clock	NS Geode GX1 CS5530A chipset built-in RTC with onboard lithium battery
Expansive Interface	One 32-bit PCI slot and one 16-bit ISA-based PC/104 connector
PCI Enhanced IDE	One UltraATA/33 bus master IDE channels up to two ATAPI devices
VGA Interface	CS5530A built-in TFTLCD / CRT SVGA controller with 4 MBytes of video memory shared with system memory up to 18-bit TTLTFT display, 1280 x 1024 @ 64K, 1024 x 768 @ 16M colors Optional DSTN LCD interface with NS CS9211 Optional LVDS TFT LCD interface with NS DS90C363A transmitter
LAN Interface	PCI RTL8139C 10/100 Mbps LAN interface, auto-switching, IEEE802.3U compliant
Audio Interface	AC97 3D audio interface with line-in, line-out, Mic-in and CD-in
GPIO Interface	8-bit GPIO port with 4-bit TTL digital input and 4-bit TTL digital output
Multi-I/O Port	3 x RS-232 and 1 x jumper selectable RS-232/422/485 serial port 2 x USB ports with USB verison 1.1 compliant 1 x SPP/EPP/ECP parallel port, IrDA, floppy, PS/2 keyboard / mouse port
Solid State Disk	One CompactFlash (CF) type-II socket supports CFC and IBM MicroDrive PIO mode 4 with 16.6 MBps of data transfer rate, bootable and driver free flash disk Flash memory capacity up to 1 GBytes on secondary slave IDE port Opitonal M-systems DiskOnChip socket for OEM (without CompactFlash socket)
Environment	Power Requirement:Single +5V with onboard AT P8/P9 power connector Board Dimension (L x W): 203 x 146 mm, standard EBX form factor Operation Temperature: 0 ~ 60ϕJ (32 ~ 140ϕK)
Ordering Code	LE-540VL 5.25" Embedded NS GX1 Miniboard with Onboard NS GX1-300 MHz CPU, TTL LCD / CRT SVGA, Audio, LAN, 4 COM, 8-bit GPIO and CompactFlash Socket LE-540VDL Same asabove but with DSTN LCD Interface LE-540VXL Same asabove but with LVDS LCD Interface

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

COMMELL IPC Division, Taiwan Commate Computer Inc.

8F, No. 94, Sec. 1, Shin Tai Wu Rd., Hsi Chih, Taipei Shien, Taiwan

TEL : +886-2-26963909

FAX : +886-2-26963911

Website: <http://www.commell.com.tw>

E-mail : info@commell.com.tw

COMMELL
www.commell.com.tw