

Feature Highlights

- √ NS Geode™ GX-1 300MHz CPU based embedded board
- √ CRT and LCD panel display
- √ LAN controller for 10 Base-T/100 Base-TX Ethernet
- √ Audio function on board
- √ Digital I/O
- √ TV out
- √ PC/104 connector



Feature	Description
Main Processor	National Semiconductor™ low power consumption Geode™ GX-1 300MHz CPU
Main Memory	One 144-pin SO-DIMM socket up to 128MB SDRAM
BIOS	AWARD® PnP Flash BIOS
Chipset	NS Geode™ GXLV/GX1 / CS5530A
Expansion Bus	PC/104
VGA	Built-in CS5530A LCD/CRT VGA controller, up to 1280 x 1024 (256 colors) resolution
LAN	Realtek® RTL8139C Ethernet controller with 10/100Mbps data transfer speed
Audio	AC'97 compliant Audio CODEC
Hard Disk Interface	One ATA -33 IDE channel (44-pin pin header)
Floppy Disk Interface	Support one floppy disk drive, which is compatible with 360K, 720K, 1.2MB, 1.44MB, 2.88MB
Serial Port	Two RS-232 ports
Parallel Port	One bi-directional parallel port with SPP/ECP/EPP function
RTC	High precision real time clock with battery back up
Watch Dog Timer	Software programmable, support 1 ~ 255 sec. system reset
Solid State Disk	One Compactflash Type II socket (rear side)
USB / IrDA / Digital I/O	2 USB 1.1 headers, IrDA TX/RX headers for wireless communication
Digital I/O	4 x DI & 4 DO, TTL level
TV Out	Supports both NSTL & PAL
Mouse/Keyboard Port	6-pin mini DIN connector for PS/2 mouse and keyboard
Physical Dimension	5.79" (L) x 4" (W) (147mm x 102mm)
Power Requirement	+ 5V @ 2A, +12V @ 100mA with 32MB SDRAM
Environment Information	Operation: 0~60°C; Storage: -20~80°C; Operation humidity: 5~90% non-condensing

Ordering Guide	Model #	Item #	Description
	MiniSBC 522	EMBSBC522	3.5" NS Geode™ GX-1 300MHz Based EmbSBC with VGA, LAN, Audio and cable set