

MiniSBC 510-300

Feature Highlights

- ~ Ultra Low Power Consumption
- ~ NS Geode[®] GX1 300MHz CPU
- ~ Integrated VGA/Audio, LVDS on board
- ~ Two Realtek RTL8139 Ethernet on board
- ~ Optional TV-out Supports S-Video and AV Video Connectors
- ~ Optional Compact Flash Adapter
- ~ One 32-bit PCI Slot on board
- ~ One DIMM socket with memory up to 256MB



Feature	Description
Main Processor	NS Geode [®] GX1 300MHz
Main Memory	One 168-pin DIMM socket with up to 256MB SDRAM
BIOS	Award [®] 2Mbit Flash BIOS
Chipset	NS Geode [®] 5530A supports 33MHz CPU clock
Expansion Bus	One 32-bit PCI slot
VGA	NS Geode [®] Integrated VGA supports CRT & TFT LCD panel, Onboard LVDS controller
LAN	Dual Realtek [®] RTL8139C Ethernet controllers with 10 Base-T/100 Base-TX data transfer speeds
AUDIO	NS 5530A integrated audio controller, AC97 codec support
Hard Disk Interface	Two enhanced IDE interfaces support 4 IDE devices including UDMA/33, PIO mode 4 and bus master mode
Floppy Disk Interface	Supports up to two floppy disk drives: 3.5" (720KB, 1.44MB or 2.88MB) and/or 5.25" (360KB or 1.2MB)
Serial Port	Four RS-232 ports
Parallel Port	One parallel port with SPP/ECP/EPP function
RTC	High precision real time clock with battery back up
IrDA	Pin header for IrDA interface modules
USB	Pin headers for two USB ports
Mouse/Keyboard	6-pin mini DIN connector for PS/2 mouse and keyboard
Physical Dimension	7.99" (L) x 5.75" (W) (203mm x 146mm)
Power Requirement	+5V @ 3A, +/-12V @ 200mA
Environment Information	Operation: 0°C~60°C (32°F~140°F); Storage: -20°C~80°C (-68°F~176°F); Relative Humidity: 10~90% non-condensing

	Model #	Item #	Description
Ordering Guide	MiniSBC 510-300	EMBSBC510-300	NS Geode [®] GX1 300MHz EmbSBC with VGA/Dual LAN/Audio
		EMBSBC510XCBL	Cable Set for TL-EmbSBC 510-300
		EMBSBCXCF	Adapter for Compact Flash Card
		EMBSBC510XRJ45	Bracket, 2 x RJ45 for TL-EMBSBC510