

- Embedded SBC -

5.25" Embedded SBC with NS Geode™ Gxi CPU on board, and
VGA/LCD/TV/Sound/LAN/SSD

EM-520



FEATURES

- On-board NS Geode GXi 180MHz CPU
- Two SIMM Socket
- Support VGA/LCD/TV/Sound/LAN
- On-board 2MB shared memory
- PC/104 expansion bus
- PISA expansion bus
- 5.25" Embedded Form Factor

SPECIFICATION

CPU	On-board NS Geode™ Gxi-180 MHz CPU
Chipset	NS Geode™ GX5520
BIOS	128KB Award® BIOS
System Memory	2 SIMM sockets, support up to 64MB of EDO DRAM
VGA/LCD	NS Geode™ GX5520, shared memory 2 MB, resolution up to 1024x768 16bpp
TV	NTSC/PAL
Ethernet	On-board Realtek 8029AS, support 10 Base-TX Ethernet
Sound	Built-in sound function
Flash Memory Disk	Socket for DickOnChip®, support up to 144MB flash disk
IDE Interface	1 IDE port support up to 2 IDE devices
Serial Port	4 COM ports (2 x RS-232 and RS-232/422/485)

Parallel Port	1 multi-mode parallel port (SPP/EPP/ECP)
Universal Serial Bus	Support 2 USB ports
IR Interface	Supports 1 IrDA header
RTC	Internal RTC with Li battery
PC/104 Expansion Bus	Built-in PC/104 expansion bus
Expansion Slot	Built-in 1 PISA expansion slot
Watchdog Timer	8 level time-out intervals
DMA	8 DMA channels
Interrupts	16 levels of hardware interrupts
External Power Connector	On-board 12-pin external power connector
Operating Temperature	0°C ~ 60°C
Humidity	5% ~ 95%, non-condense
Dimensions	203 x 146mm (8" x 5 3/4")
Net Weight	350g (0.77 pounds)
