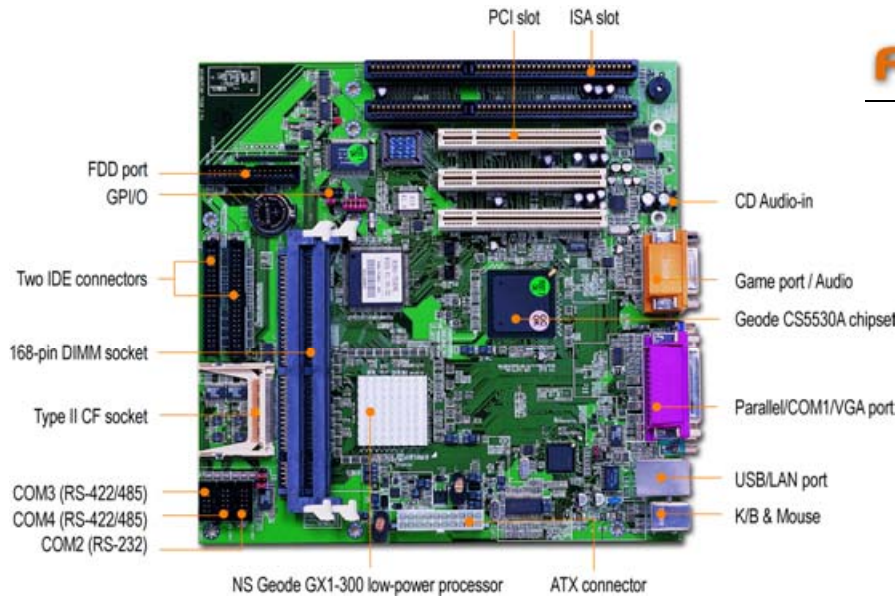# PEB-7530VLA

Micro ATX industrial motherboard, based on low power NS Geode GX1 processor with VGA, LAN and audio

Feature

- Standard Micro ATX form factor
- Reliable low power Geode GX1 586+ processor 300 MHz
- On-board standard VGA, I/O and audio
- On-board 10BASE-T/100BASE-TX Ethernet
- Standard BIOS with extension for additional embedded features
- Up to 512 MB SDRAM on two 168-pin DIMM sockets
- One ISA, two PCI and one PCI/ISA slots
- Type II CF socket for 8~320 MB CompactFlash disk

System

CPU	Low Power NS Geode GX1 Processor 300MHz
Chipset	NS Geode GX1 and CS5530A
Memory	Up to 512MB SDRAM on two 168-pin DIMM sockets
L2 Cache	N/A
BIOS	Award (2Mb Flash ROM)
SSD	Type II Compact Flash Socket (Support 8~320MB Compact Flash or IBM Microdrive)
Storage Devices	Four EIDE Devices; two FDDs
Watchdog Timer	Adjustable via hardware jumper with interval resolution setting from 0.5 sec. to 64 sec.
Expansion Interface	ISA x 1, PCI x2, PCI/ISA x1
Hardware Monitoring	N/A
Power Requirement	+5V@1.8A
Dimension	224 (L) x 224 (W) mm; 8.8"(L)x 8.8"(W)
Environmental	Operation temperature: 0~55 ˚C
	Storage temperature: -20~75 ˚C
	Operation humidity: 5~95%

I/O

MIO	RS-232 x2, RS-422/485 x2, Parallel port x1, Game port x1
IrDA	N/A
Ethernet	Intel® 82559, 10BASE-T/100BASE-TX, RJ-45 x1
Audio	AC '97 2.0
USB	2
Mouse & KB	1

Display

Chipset	Geode CS5530A
Memory Size	Up to 4MB shared memory
Resolution	1280 x 1024 x 8 bpp or 1024 x 768 x16 bpp
LCD interface	N/A
TV-out	N/A

Ordering Information

Standard

PEB-7530VLA   Low Power NS Geode GX1 300MHz processor based Micro ATX industrial motherboard with VGA, Fast Ethernet and audio

Packing List

User's manual	x1
Utility CD	x1
HDD cable	x1
FDD cable	x1
two Serial port cable with bracket	x1
one parallel port cable with bracket	x1

Embedded Computing Board