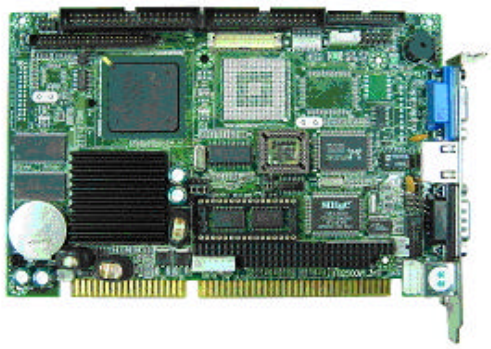
NASA-5500VL

- Pentium-level Low Power Fanless NS Geode 300Mhz CPU on board
- NS Geode & CS5530A Chipset
- 64MB SDRAM on board
- VGA,CRT,TFT LCD supported Video RAM : 1 ~ 4 MB selectable
- 100 / 10 Mbps LAN supported
- 2 x Digital Inputs & 2 x Digital Outputs
- 2 x COM ports
- 2 x USB ports
- PC104 expansion



Pentium-level Low power Fanless | **SBC with VGA / TFT / Fast Ethernet**

General specifications

CPU
Embedded ,Pentium level Low Power Fanless 300
(for NASA-5500VL-64M-300) Mhz CPU on board

System Chipset
North Bridge chipset : NS Geode GX1
South Bridge chipset : CS 5530A

BIOS
Award/AMI BIOS,

SDRAM Memory
64MB (for NASA-5500VL-64M) SDRAM on board for maximum stability and compatibility

Display Controller Chipset
NS CS5530A with 1 ~ 4 MB VRAM support 1024 x 768 up to true color mode

LCD
Support TFT LCD flat panel display

Display Type
CRT (VGA, SVGA, XGA, SXGA) & TFT LCD

Network Interface Controller Chipset
Realtek 8139C support 100/10 Mbp, auto-negotiation,.

Disk On Module
Support DOM up to 512MB

Disk On Chip
Support DOC up to 288MB

PC104 socket
Standard PC-104 slot for expansion purpose

High Speed Multi I/O
Support high speed multi input output devices

Serial ports
2 x COM ports support 1x RS232 and 1x RS232 / 422 / 485 port)

AuDigital I/O (optional)
AC97 AuDigital I/O for optional choice

USB port
Two USB ports on board

PCI Enhanced IDE
2 PCI IDE support up to 4 ATAPI devices,
.

Real-time Clock
built-in super I/O with lithium battery backup for 10 years of data retention. CMOS data backup of BIOS setup and default.

Floppy Disk Drive Interface
Support 2 floppy disk drives, 3½" (720 KB, 1.44 MB) or LS-120 Drive

Bi-directional Parallel Port
Support Printer port with at SPP, EPP and ECP mode.

Keyboard and Mouse Connectors
Support PS/2 Keyboard and mouse

Watchdog Timer
Supports programmable watchdog timer

Environmental and Power Power Requirements
+5V at 1.6A & +12V at 0.1A

Board Dimensions
185mm x 122mm

Operating Temperature
0 to 55°C (32 to 131°F)

Ordering Information

NASA-5500VL-64M-300
Low Power 64MB SDRAM on board