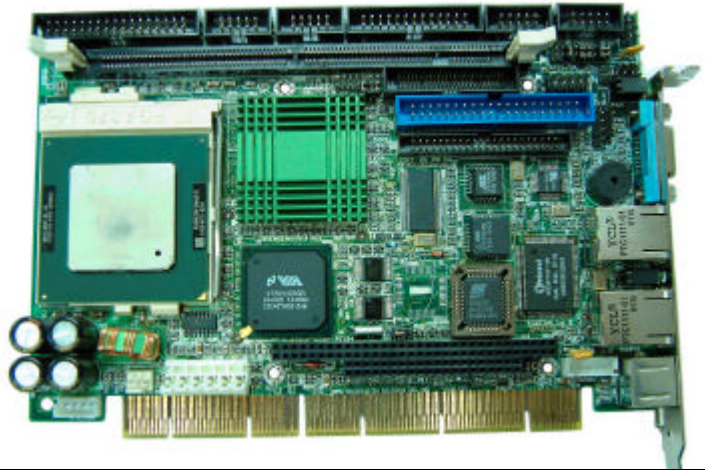


NASA-3720VLLA

- Support all P-III VIA C3 800 / 933Mhz CPU
- Support all Intel P-III, Tualatin 1.4Ghz, Celeron CPUs
- FSB : 133 / 100 Mhz
- Chipset : The best VIA TWISTER-T chipset
- Memory : support up to 512MB
- VGA, LVDS, 32MB share Video Memory
- Support Dual fast Ethernet with 2 x RJ-45 ports
- Support 4 x Serial ports (3 x RS232 + 1 x RS485)
- 2 x USB ports plus 1 x IrDA
- Support Audio - microphone, speaker, line-in
- Support ISA high drive capability
- Support PC104 interface
- IC2 SM bus : 1 x 4pin connector



PIII PISA bus SBC with VGA / LVDS / Dual LAN / Audio / 4 x COM / 2x USB SBC

General specifications

CPU - (optional)

Support PIII equivalent **Low power 800 / 933Mhz** CPU and all P-III Intel Tualatin up to 1.4Ghz CPUs.

FSB Bus: 133

Support 133 / 100 MHz

System Chipset : Twister-T

VIA 8606 as North bridge and VIA686B as South bridge chipset. The best System Chipset.

BIOS

Phoenix / Award 2Mb Flash BIOS with APM and ACPI advanced power management supported

SDRAM Memory

1 x 168-pin SDRAM SIMM socket support up to 512MB system memory

Display Controller

S3 Savage 4 supports AGP 4x high speed XVGA graphics accelerator with 3D and 2D with 32MB share RAM.

Display Type

32MB Video memory supports the highest video resolution CRT (VGA, SVGA, XGA, SXGA)

LCD Flat Panel - LVDS interface

Support LVDS interface TFT LCD

Ethernet : Dual LANs

Chipset

DUAL Realtek RTL 8139C Fast Ethernet 3-in-1 controller supports DUAL 100 / 10 Mbps LAN

Speed :

100Base-T / 10Base-TX, auto-switching Fast Ethernet, full duplex, IEEE 802.3U compliant

Connector

External RJ45 with LED on bracket

Sound Controller

3D Audio Chipset :

VIA 686B integrated AC97 interface with ALC201A codec

Audio Interface

Microhone, Speaker, Line-in, CD-in

Disk On Module

Support DOM up to 512MB

USB - 2 x USBs

Support Two USB ports and one IrDA Header

IrDA - Infra Red remote

Support Infra-Red remote transmission

ISA High Drive Capability

ISA 64mA high drive capacity with T1 74ABT162245 buffer supports over 20 pieces of ISA-based add-on cards

PCI bus

Supports 32bit PCI bus

High Speed Multi I/O

Chipset

VIA 686B chipset

Serial Ports - 4 x COM ports

Support 4 COM ports (3x RS232 Port plus 1 x RS232 / 422 / 485 port)

Floppy Disk Drive Interface

2 floppy disk drives, 5^{1/4}" (360 KB or 1.2 MB) and 3^{1/2}" (720 KB, 1.44 MB) or LS-120 Drive

Bi-directional Parallel Port

1x SPP, EPP and ECP mode.

Keyboard and Mouse Connectors

external PS/2 Mouse port (6 Pin mini DIN)
onboard Ps/2 Keyboard port (5-pin JSP header)

Green Function

power saving supported in BIOS. DOZE / STANDBY / SUSPEND modes, ACPI & APM

Secondary Cache

Integrated on CPU processor

IDE port with Ultra DMA

1 x IDE port supports 2 ATAPI devices, Ultra DMA transfer rates 100/66/33 MB/sec

Watchdog Timer

Active NMI and reset programmable watchdog timer with 10 - 80 seconds or minutes of timeout value

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.

System Power Management System Chipset

VIA 8606 supports advanced System Power Management Control System

Environmental and Power

Power Requirements

+5V at 8A, +12V at 200mA

Board Dimensions

185 mm x 122 mm standard half size

BUS type

PCISA bus compliant

Board Weight

0.3 Kgs.

Operating Temperature

0 to 60°C (32 to 140°F)

Ordering information

NASA-3720VLLA

With VGA, LCD, Dual LAN, Audio, 4xCOM, 2xUSB, etc.

Note : CPU is optional

