

NASA-3721VLLA-ISA

- ◆ Interface type : ISA
- ◆ CPU type : Low power EDEN 533Mhz CPU soldered on board
- ◆ RAM : support SDRAM up to 512MB
- ◆ VGA : S3 Savage 4 support VGA
- ◆ AGP speed : support AGP4X
- ◆ VRAM : support 32MB video share RAM
- ◆ LAN : support 10/100Mbps Ethernet
- ◆ Audio : support AC97 3D audio interface
- ◆ Support ISA high drive capacitive with enhanced 64mA on data and address bus capacity up to over 20 pieces of ISA-based add-on cards.
- ◆ Support M-systems DOC
- ◆ Support popular OS for industrial mainstream applications



Half size ISA bus SBC with 533MHz CPU on board / VGA / LAN / 2 COM / 2 x USB / Audio / 8M VRAM

General specifications

CPU

Soldered on board VIA Eden low power 533MHz CPU with 133 front side bus.

ISA High drive

ISA high drive capacity with enhanced 64mA on data and address bus capacity up to over 20 pieces of ISA add-on cards

BIOS

Award ACPI BIOS on 2M –bit Flash ROM,Flash EEPROM update utility

Memory Support

Support up to 512MB SDRAM .

IDE with Ultra DMA

supports 2 ports and up to 4 ATAPI devices, Ultra DMA transfer rates 33 MB/sec

SSD / DOC / DOM

Support M-systems DOC up to 576MB

Audio :

SUPPORT AC97 3D Audio interface

Serial port : 2 x COM

3x RS232 ports and 1x RS232/422/485 port

USB & IrDA : 2 x USB 1.1

Two USB ports and one IrDA

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

LPT :

Bi-directional Parallel Port.
1xSPP, EPP and ECP mode.

Keyboard and Mouse Connectors

external PS/2 KB/Mouse port (2-in1 mini DIN) onboard AT Keyboard port (5-pin box header)

LAN : Ethernet

support 10/100 Mbps with auto-switching

VGA :

Trident 3D/2D SVGA controller supports 8MB video share memory

Watchdog Timer

4 level programmable watchdog timer, from 10-80 seconds.

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.

Popular OS supported

Support popular O.S. for industrial mainstream applications

System Monitoring and Alarm

Chipset

VIA VT8606

For CPU & System Temperature, System Voltage and Cooling Fan RPM

Power Requirements

5A@ +5v typical; 300mA@ +12v typical
100mA@ -12V typical; 200mA@ +5VSTB (Option)

Board Dimensions

185mm (L) x 127mm (W)

Operating Temperature

0°C to 60°C operating; -40°C to 70°C storage