

NASA-6389VL

- CPU : support PIII and P-III equivalent Low Power CPUs
- FSB : 133 / 100 / 66 Mhz
- Chipset : VIA 82C693A and 686B
- 3 x SDRAM support up to 1.5GB
- VGA chipset : Intel C&T 69000 support AGP, 3D / 2D, and all kinds of LCD flat panels TFT / DSTN / Mono LCD, with 2 MB VRAM on chip
- LAN: Fast 100/10 Mbps Ethernet
- DOC / DOM socket : on board
- 2 x COMs ports
- USB : 4 x USB ports, IrDA port
- DiskOn Module / DOC
- Audio : optional
- ISA High Drive Capability



P-III SBC with VGA / TTL LCD / Fast LAN / 4xUSB, 2xCOM

General specifications

CPU

Socket 370 FC-PGA/FC-PGA2 supports PIII, P-II, and P-III equivalent Low Power CPU up to 1 GHz

FSB Bus:

133 / 100 / 66 MHz

System Chipset

VIA 82C693A and 82C686B chipset

BIOS

Award BIOS ,256KB FLASH EPROM for BIOS update

SDRAM Memory

3 x 168pin SDRAM socket support up to 1.5GB memory

VGA Display Controller

Intel C&T 69000 engine supports AGP and all kinds of TFT / STN / Mono flat panels (50pin LCD connector). With 2MB video RAM support

VGA, SVGA, XVGA, SXGA

Display Type

CRT (VGA, SVGA, XGA, SXGA)

Ethernet Controller

Chipset

1x Realtek RTL 8139C chipset support fast 10/100 Mbps, auto-negotiation

Audio

Optional function

Disk On Module / Disk On Chip

Support DOM / DOC up to 512MB

USB & IrDA

4 x USB ports and one IrDA Header

PCI bus

Supports 32bit PCI bus

High Speed Multi I/O

Chipset

Winbond W83627

Serial Ports

2 COMs (1x RS232 Port, 1XRS232/422/485 port)

Floppy Disk Drive Interface

2 floppy disk drives, 5" (360 KB or 1.2 MB) and 3½" (720 KB, 1.44 MB) or LS-120 Drive

Parallel Bi-directional Port

1xSPP, 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 ,support ECC

PCI Enhanced IDE with Ultra DMA

supports 2 ports and up to 4 ATAPI devices, Ultra DMA transfer rates 33 MB/sec support ISA high drive capability up to 20 full size ISA add-on cards

Watchdog Timer

16 level programmable watchdog timer from 1 - 160 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.

System Monitoring and Alarm

Hardware monitoring functions on CPU & System Temperature, voltage and Cooling Fan RPM

Environmental and Power

Power Requirements

Through the backplane power connector

Board Dimensions

338 mm x 122 mm. PICMG compliant

Board Weight

0.6 Kg.

Operating Temperature

0 to 55°C (32 to 131°F)

Ordering Information

NASA-6389VL:

Full Size SBC with VGA, Fast Ethernet, 4xUSB, 2xCOM, etc.