

# NOVA-600

5.25" Socket-7 CPU Board with LCD/ CRT VGA (2MB), LAN, 4 COM



NVCB-01



NVCB-02



## Feature

- Intel PentiumMMX CPU supports up to FSB 66 MHz
- CRT/LCD integrated in Asiliant 69000, support 36-bit TTL LCD, LVDS(Optional)
- 1x PC133 SDRAM support up to 128MB
- support 1x PCI expansion slot
- DOC,LAN, USB, Multi-COM integrated

## Specifications

<b>CPU</b>	Socket-7 base support Intel® Pentium® MMX, AMD K6, IDT WinChip .... up to 66MHz FSB
<b>External Cache Memory</b>	512KB
<b>System Memory</b>	1 x PC100/133 up to 128MB
<b>System Chipset</b>	ALi Aladdin 4+
<b>Display</b>	<ul style="list-style-type: none"> <li>- Chip: Asiliant 69000 LCD/CRT VGA</li> <li>- Bus: PCI</li> <li>- V-RAM: 2MB RAM</li> <li>- Resolution: 1280 x 1024 (256 colors)</li> <li>- Connectors: DB-15 for CRT display</li> <li>50-pin pin-header for 36-bit LCD panel</li> <li>44 pins pin-header for 24-bit LCD panel (With FP24-01A board)</li> <li>Supports 3.3V and 5V LCD panel</li> <li>- Optional LVDS-01 &amp; LVDS-02 module for LVDS interface</li> </ul>
<b>I/O</b>	<ul style="list-style-type: none"> <li>- 3 x RS-232 ports</li> <li>- 1 x RS-232/422/485 selectable port</li> <li>- 1 x parallel port (support SPP/EPP/ECP mode)</li> <li>- 1 x IrDA</li> <li>- 2 x USB Ports (USB 1.1 compliant)</li> <li>- 2 x IDE channel (1x40pin, 1x44pin) pin header</li> <li>- 1 x FDD</li> </ul>
<b>Ethernet</b>	Single Realtek RTL8100BL 10/100Mbps Ethernet chip with RJ-45 connector
<b>Isolated Digital I/O</b>	<ul style="list-style-type: none"> <li>- Digital Input : 4 channels</li> <li>- Digital output : 4 channels</li> <li>- Isolated channel with common power</li> </ul>
<b>WDT</b>	Software programmable supports 1~ 255 seconds system reset
<b>SSD</b>	One DiskOnChip socket
<b>Expansion Slot</b>	One PC/104 expansion connector for add-on cards
<b>E²Key</b>	A non-volatile 1Kbit EEPROM is provided to retain application critical read/write data
<b>Power Connector</b>	Molex 26-60-4080
<b>Power Consumption</b>	+5V@5.1A (Pentium® MMX 233MHz and 32MB SDRAM)
<b>Operating Temperature</b>	0~60°C (CPU cooler required)
<b>Relative Humidity</b>	5~95%, non-condensing
<b>GW</b>	700g

## Ordering Information

- **NOVA-600-R2** : 5.25" Socket-7 CPU Board with LCD/ CRT VGA (2MB), LAN, 4 COM, R2

## Option

- **NVCB-01** Cable kit for NOVA-600 SBC
- **NVCB-02** Power cable kit to ACE-855 series and HDD/FDD for NOVA-600 SBC

# NOVA-300

5.25" 386SX-40 CPU Board with LCD/ CRT VGA (1MB), 4MB DRAM



HM 86508 LCD/CRT VGA



NVCB-03

One SIMM/16MB EDO RAM or 4MB EDD n board



## Feature

- Embedded ALi 386SX-40 CPU for Fanless system support
- CRT/LCD integrated in HM86508, support 24-bit LCD
- 1x SIMM socket up to 16MB EDO RAM, onboard 4MB
- Support PC/104 extension slot
- DOC, Multi-COM integrated

## Specifications

<b>CPU</b>	386SX-40 on board (Embedded in ALi M6117 chipset)
<b>System Chipset</b>	ALi M6117C
<b>System Memory</b>	One 72-pin SIMM socket up to 16MB EDO RAM; optional 4 MB on board for OEM requirement
<b>Display</b>	<ul style="list-style-type: none"> <li>- Chip: HM86508 LCD/CRT VGA</li> <li>- V-RAM: 1MB EDO RAM</li> <li>- Resolution: 1024 x 768 (256 colors)</li> <li>- Connectors: DB-15 for CRT display</li> <li>- 44-pin pin-header for LCD panel</li> </ul>
<b>I/O</b>	<ul style="list-style-type: none"> <li>- 3 x RS-232 ports</li> <li>- 1 x RS-232/422/485 selectable port COM3 &amp; COM4 supplies +5V &amp; +12V DC</li> <li>- 1 x parallel port (support SPP/EPP/ECP mode)</li> <li>- 1 x IDE channel : 40-pin pin-header, supports PIO-4 mode</li> <li>- 1 x FDD port</li> </ul>
<b>WDT</b>	software programmable, support 1~ 255 seconds system reset
<b>SSD</b>	One DiskOnChip™ ocket
<b>Expansion Slot</b>	One PC/104 expansion connector for add-on card
<b>E²Key™</b>	A non-volatile 1Kbit EEPROM is provided to retain application critical read/write data
<b>Power Consumption</b>	+5V@1.6A
<b>Operating Temperature</b>	0~60°C
<b>Relative Humidity</b>	5~95%, non-condensing
<b>GW</b>	700g

## Ordering Information

- **NOVA-300-M4** : 5.25" 386SX-40 CPU Board with LCD/ CRT VGA (1MB), 4MB DRAM

## Option



- **MB-3200W/ACE-855A** NOVA-600 compact chassis with ACE-855A power supply
- **NVCB-03** Cable set for NOVA-300

Single Board Computer

PIAGP Series

PICMG

Half-Size

Industrial Motherboard

5.25" NOVA

EPIC NANO

3.5" WAFER

ETX

PC/104

Add-on Card

IVC Card

Backplane

LCD Product Series

Chassis

Power supply

Peripheral