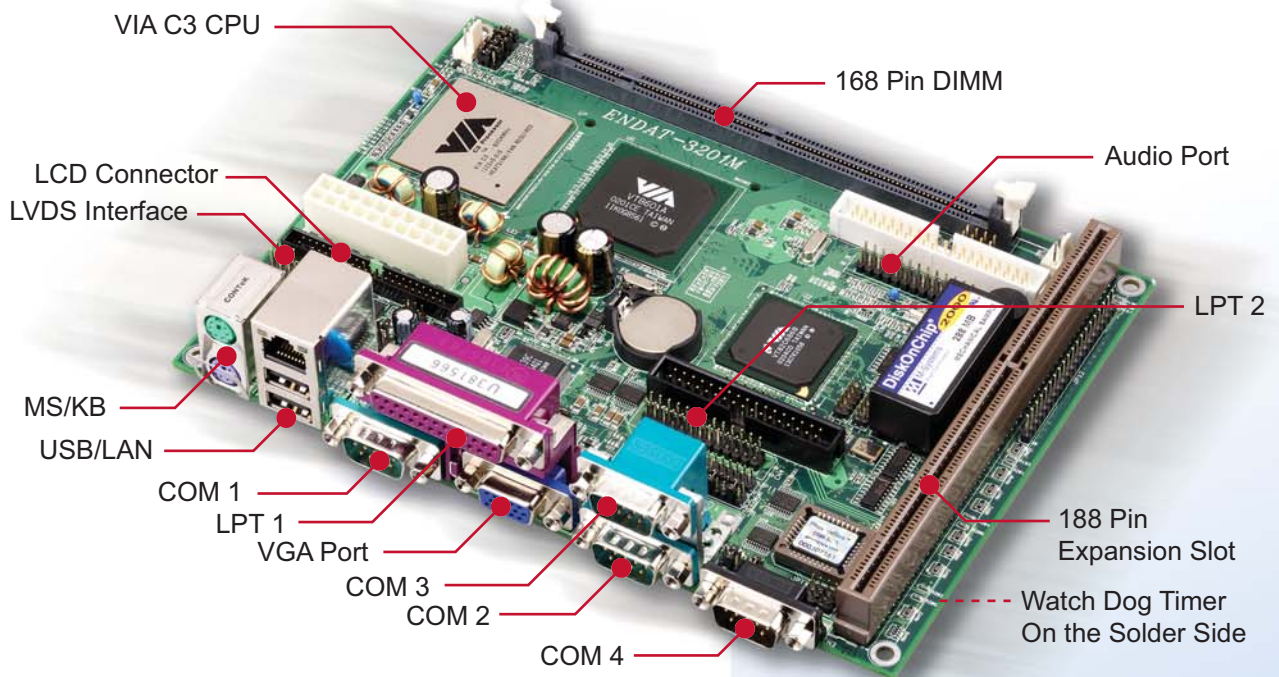


# 5.25" SBC Embedded with a Low Power Consumption CPU



## ENDAT-3201 Series

With the challenges of the heating issues and demand of smaller size systems in diverse applications, **Unicorn** provides 5.25" SBC with Embedded Low Power Consumption CPU ENDAT-3201 series as the ideal solution for various industrial applications

### - Features

- Onboard VIA C3 series CPU
- 2D/3D VGA display
- Support TFT (TTL or LVDS) LCD display
- 1 Realtek or Intel LAN
- 4 COMs w/ +5V, +12V power selector
- Support DOC 2000 + WDT
- All connectors onboard
- 203mm x 146mm / SBC



ENDAT-3201MF

- COM 3, 4: Box Header
- Double-Deck (COM 1+LPT1+VGA) & VGA Box Header



ENDAT-3201MH

- PS/2 Mouse: Pin Header
- LAN/USB: USB Pin Header/ RJ-45 LAN Jack
- COM1, 2, 3, 4: Box Header
- LPT1, 2: Box Header
- VGA: Box Header



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# ENDAT-3201 Series

## Specifications

### CPU

Onboard VIA C3 Processor with 128KB Level 1 and 64KB Level 2 Cache with FSB 66/100/133MHz EBGA Package:  
- CPU w/o FAN: EDEN 533MHz  
- CPU w/ FAN: EZRA 800MHz

### Chipset

VIA 8601 100/133MHz North Bridge with integrated 2D/3D Graphic Controller and VT82C686B Super I/O

### BIOS

AMI 512KB Flash BIOS

### System Memory

One DIMM socket accepts up to 512MB SDRAM

### Enhanced IDE interface

One 40-pin box header support up to 2 EIDE devices, Ultra DMA transfer 33/66/100 mode and BIOS auto-detect

### FDD interface

Support up to two Floppy Disk Drives

### Display Controller

Chipset: On VT8601 chip 2D/3D Graphic Controller with SMA up to 8MB  
- Display Type: CRT; 18bit/24bit TFT TTL LCD panels; option for 18bit LVDS TFT LCD panels, 24bit LVDS via LCD kit  
- LCD Panel Resolution: 640 x 480; 800 x 600; 1024 x 768

### Audio Controller (optional)

- Chipset: VIA VT82C686B, AC'97 2.0 compliant, Multi-Stream Direct Sound and Direct Sound 3D acceleration  
- Interface: Line In, CD In, MIC In, Speaker Out

### High Speed Multi I/O

- Chipset: VIA VT82C686B integrated Super I/O  
- Serial Ports: 3 high speed RS-232 ports (COM1, 3, 4) and 1 high speed RS-232/422/485 port (COM2), all 4 serial ports support 16C550 UART and 16 byte FIFO, and with +5V, +12V power selector  
- Parallel Ports: 2 Bi-directional parallel ports support SPP/EPP/ECP mode  
- USB Ports: 2 ports with 1.1 compliant  
- Infrared Port: 1 IrDA TX/RX port with pin header  
- Keyboard / Mouse Connectors: Support PS/2 keyboard and mouse

### Network Interface

- Chipset: Realtek 8139C or optional for Intel 82559ER  
- 10/100 Base T / TX support, full duplex with RJ 45 connector onboard  
- Compliant with IEEE 802.3X

### On board solid State Disk Interface

One DOC 2000 socket support M-System DiskOnChip



### Watch Dog Timer (optional)

ALTERA EPM3064ATC100-10, 1~255 seconds programmable with 4 bytes system I/O port address

### Power management

Supports power saving modes including APM 1.2 compliant

### Real Time Clock

On chip RTC with external Li Battery back up

### On board Bus Expansion

188-pin connectors with PCI and ISA signal for expansion up to 3 PCI slots and 3 ISA slots

### Board Dimension

5.25" SBC form factor, 203 x 146 mm

### Power Types:

Support AT or ATX power supply

### Operating Temperature: 0 ~ 60°C

## Ordering Information

### ENDAT-3201M:

*4 x 9-pin D-Sub, 1 x 25-pin D-Sub, 1 x 15-pin D-Sub, KB/ Mouse, RJ45, 2 x USB, connectors at double deck*

ENDAT-3201M-1R	with Realtek LAN
ENDAT-3201M-1i	with Intel LAN
ENDAT-3201M-1RL	with Realtek LAN + LVDS
ENDAT-3201M-1iL	with Intel LAN + LVDS

### ENDAT-3201MF:

*2 x 9-pin D-Sub, 1 x 25-pin D-Sub, 1 x 15-pin D-Sub, KB/ Mouse, RJ45, 2 x USB, connectors at double deck; COM3 & COM4 box header, LPT2 box header, VGA reserved s/ box header*

ENDAT-3201MF-1R	with Realtek LAN
ENDAT-3201MF-1i	with Intel LAN
ENDAT-3201M-1RL	with Realtek LAN + LVDS
ENDAT-3201M-1iL	with Intel LAN + LVDS

### ENDAT-3201MH:

*All I/O port reserved w/ box header w/ 1 x RJ45 onboard*

ENDAT-3201MH-1R	with Realtek LAN
ENDAT-3201MH-1i	with Intel LAN
ENDAT-3201MH-1RL	with Realtek LAN + LVDS
ENDAT-3201MH-1iL	with Intel LAN + LVDS

