

## VB Series

# VIA VB7001

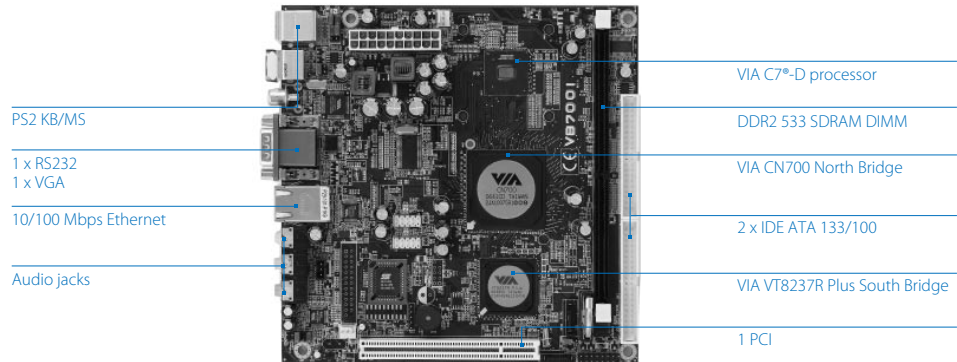
Mini-ITX C7® Entry-level  
Board with MPEG-2 &  
Optional TV-out

## Features

- Integrated VIA UniChrome™ Pro AGP graphics with MPEG-2 decoding acceleration
- Supports DDR2 533 SDRAM
- Supports two SATA
- Supports TV-out



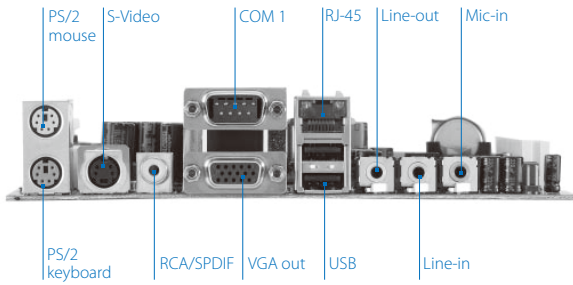
## Board Placement



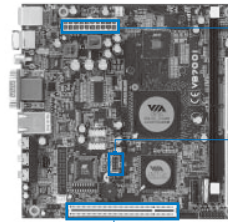
## Specifications

Model Name	VB7001G	VB7001AG
<b>Processor</b>	1.5GHz VIA C7®-D	1.5GHz VIA C7®-D
<b>Chipset</b>	VIA CN700 North Bridge VT8237R Plus South Bridge	
<b>System Memory</b>	1 x DDR2 533 DIMM Socket Up to 1GB memory size	
<b>VGA</b>	Integrated VIA UniChrome™ Pro AGP graphics with MPEG-2 acceleration	
<b>Expansion Slot</b>	1 x PCI slot	
<b>Onboard IDE</b>	2 x UltraDMA 133/100/66 connectors	
<b>Onboard LAN</b>	VIA VT6103L 10/100 Base-T Ethernet PHY	
<b>Onboard Audio</b>	VT1618 8-channel AC'97 Codec	
<b>Onboard TV-out</b>	VT1622AM TV-out	N/A
<b>Onboard I/O Connectors</b>	2 x USB pin connectors for 4 additional USB 2.0 ports 1 x Front panel audio connector (Line-out and Mic-in) 1 x CIR connector (switchable for KB/MS) 2 x SATA connectors 2 x Fan connectors for CPU and system fans 1 x FIR pin header 1 x SMBus pin header 1 x Optical S/PDIF Out connector 1 x Buzzer 1 x ATX power connector	
<b>Back Panel I/O</b>	1 x PS2 mouse port 1 x PS2 keyboard port 1 x Serial port 1 x VGA port 1 x RJ-45 LAN port 2 x USB 2.0 ports 3 x Audio jacks: Line-out, Line-in and Mic-in 1 x RCA jack for composite TV-out (optional) or coaxial S/PDIF 1 x S-Video port (optional)	
<b>BIOS</b>	Award BIOS LPC 4Mbit flash memory	
<b>Operating System</b>	Windows XP, Linux, Win CE, XPe	
<b>System Monitoring &amp; Management</b>	System voltage monitoring CPU voltage monitoring RTC timer to power on Wake-on LAN/KB/MS AC power failure recovery	
<b>Operating Temperature</b>	0°C ~ 45°C	
<b>Operating Humidity</b>	0% ~ 95% (relative humidity ; non-condensing)	
<b>Form Factor</b>	Mini-ITX (4-layer) 17 cm x 17 cm	

## Back Panel I/O



## Accessories



**PWB-M120**  
DC-DC power board: 12-24V input/ 120W output

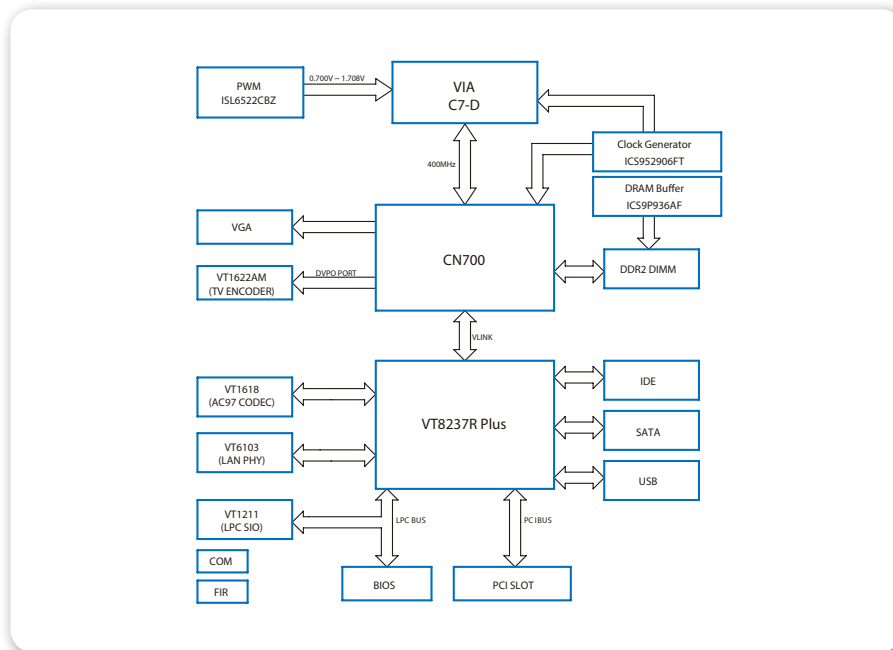
**WLAN USB Module**  
802.11 b/g standards

**EXT-PCI**  
1 to 2 PCI riser card

## Ordering Information

Model Name	CPU Frequency	Description
VB7001G	1.5GHz C7®-D	Mini-ITX Board with 1.5GHz C7®-D, VGA, USB, LAN, TV-out, IDE & SATA
VB7001AG	1.5GHz C7®-D	Mini-ITX Board with 1.5GHz C7®-D, VGA, USB, LAN, IDE & SATA

## Block Diagram



## Packing List

Items
1 x ATA-66/100/133 IDE ribbon cable
1 x General installation guide
1 x Driver Utility CD
1 x I/O bracket