

VB Series

VIA VB7001

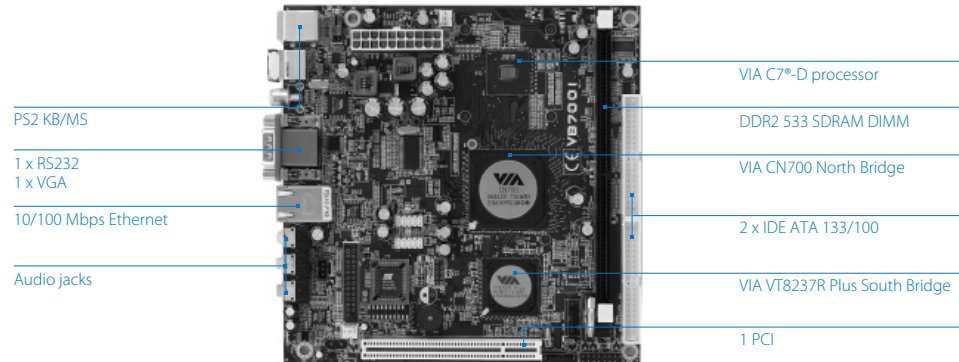
Mini-ITX C7® Board with
MPEG-2 & Optional TV-out

Features

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



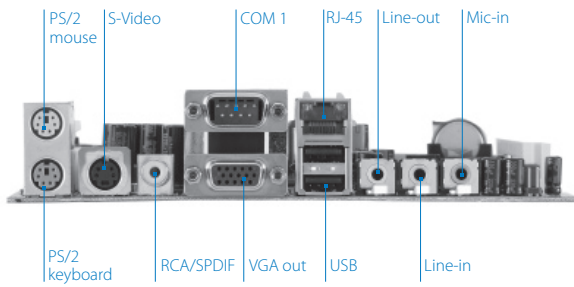
Board Placement



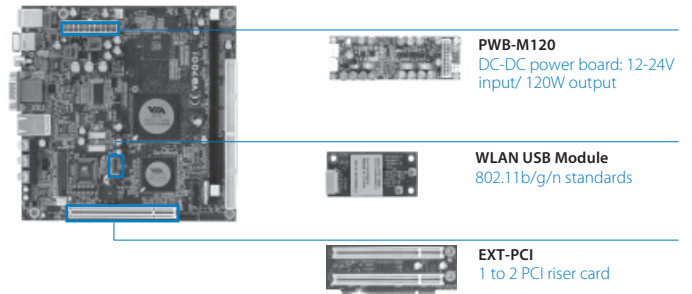
Specifications

Model Name	VB7001G	VB7001AG
Processor	1.6GHz VIA C7®-D	1.6GHz VIA C7®-D
Chipset	VIA CN700 North Bridge VT8237R Plus South Bridge	
System Memory	1 x DDR2 533 DIMM Socket Up to 1GB memory size	
VGA	Integrated VIA UniChrome™ Pro IGP graphics with MPEG-2 acceleration	
Expansion Slot	1 x PCI slot	
Onboard IDE	2 x UltraDMA 133/100/66 connectors	
Onboard LAN	VIA VT6103L 10/100 Base-T Ethernet PHY	
Onboard Audio	VT1618 8-channel AC'97 Codec	
Onboard TV-out	VT1622A TV-out	N/A
Onboard I/O Connectors	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	
Back Panel I/O	1 x PS2 mouse port 1 x PS2 keyboard port 1 x Serial port 1 x VGA port 1 x GigaLAN 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)	
BIOS	Award BIOS LPC 4Mbit flash memory	
Operating System	Windows XP, Windows Embedded CE, Windows Embedded Standard, Linux	
System Monitoring & Management	System voltage monitoring CPU voltage monitoring RTC timer to power on Wake-on LAN/KB/MS AC power failure recovery	
Operating Temperature	0°C ~ 45°C	
Operating Humidity	0% ~ 95% (relative humidity ; non-condensing)	
Form Factor	Mini-ITX (4-layer) 17 cm x 17 cm	

Back Panel I/O



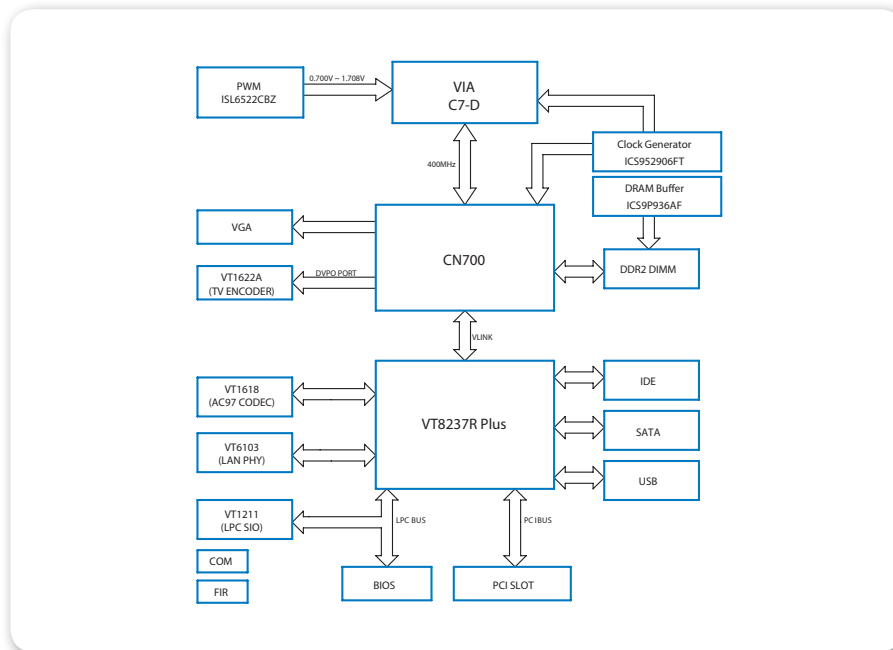
Accessories



Ordering Information

Model Name	CPU Frequency	Description
VB7001G	1.6GHz C7®-D	Mini-ITX Board with 1.6GHz C7®-D, VGA, USB, LAN, TV-out, IDE & SATA
VB7001AG	1.6GHz C7®-D	Mini-ITX Board with 1.6GHz C7®-D, VGA, USB, LAN, IDE & SATA

Block Diagram



Packing List

Items
1 x General installation guide
1 x Driver CD
1 x I/O bracket
1 x SATA cable