

VB Series

NEW

VIA

VB7008

Mini-ITX C7®-D Entry-level Board with VGA, 6 USB, 2 COM, 2 SATA, LPT, GigaLAN and HDMI out

Features

- Integrated VIA UniChrome9™ HD DX9 3D/2D graphics & video processor
- Supports DDR3 1066 DIMM
- Supports two SATA
- Supports one Gigabit Ethernet
- Supports eight USB 2.0 (six in pin connectors)
- Supports HDMI out



Board Placement

PS2 KB/MS

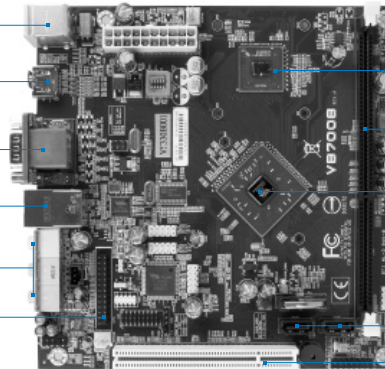
HDMI

1 x COM
1 x VGA

GigaLAN Ethernet

Audio jacks

LPT



1.6GHz VIA C7®-D

DDR3 1066 DIMM slot

VIA VX900 chipset

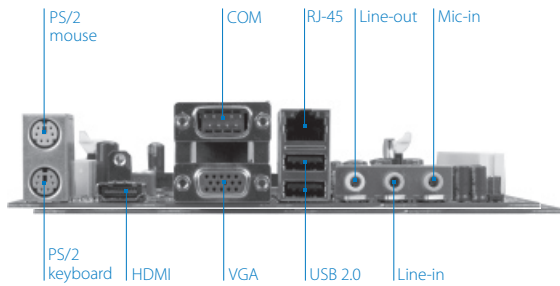
2 x SATA

PCI

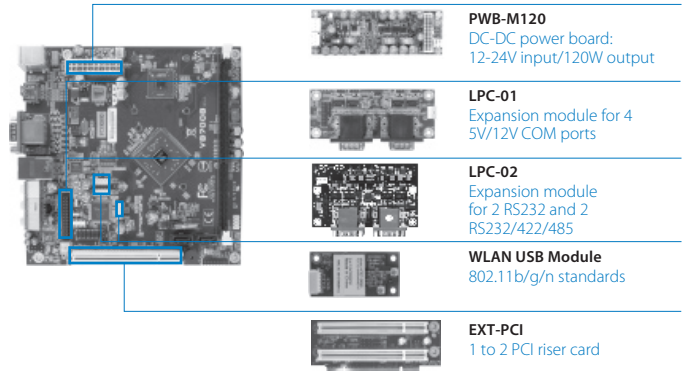
Specifications

Model Name	VB7008-16
Processor	1.6GHz VIA C7®-D
Chipset	VX900 media system processor
System Memory	1 x DDR3 1066 DIMM socket up to 4GB memory size Note: System resources (such as BIOS,PCI,etc.,) require physical memory address locations that reduce available memory address above 3GB. This may result in less than 4GB of memory being available to the operating system and applications.
VGA	Integrated VIA Chrome9™ HD DX9 3D/2D graphics & MPEG-2, VC1 and H.264 video decoding acceleration
Expansion Slot	1 x PCI slot
Onboard Super I/O	Fintek F71869E LPC I/O
Onboard Serial ATA	2 x SATA II connectors
Onboard LAN	VIA VT6130 Gigabit Ethernet controller
Onboard Audio	VIA VT1708S High Definition Audio Codec
Onboard I/O Connectors	3 x USB 2.0 pin headers for 6 USB ports (including 2 optional ports) 1 x COM port for COM2 1 x COM voltage select jumper for COM2 1 x PS/2 keyboard/mouse pin header 1 x Front panel pin header 1 x SPI pin header 1 x SIR pin header 1 x Clear CMOS jumper 2 x SATA connectors 1 x SATA DOM voltage select jumper 1 x LPC connector 1 x LPT connector 1 x SMBus connector 1 x Buzzer 1 x S/PDIF-out connector 1 x Front panel audio connector for Line-out and Mic-in 2 x Fan connectors for CPU and system fans 1 x ATX power connector
Back Panel I/O	1 x PS2 mouse port 1 x PS2 keyboard port 1 x HDMI port 1 x COM port for COM1 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 (horizontal, Smart 5.1 Support)
BIOS	Award BIOS SPI 8Mbit flash memory
Operating System	Windows 7 , Windows Embedded Standard 7, Windows XP, Windows Embedded CE, Windows Embedded Standard, Linux

Back Panel I/O



Accessories



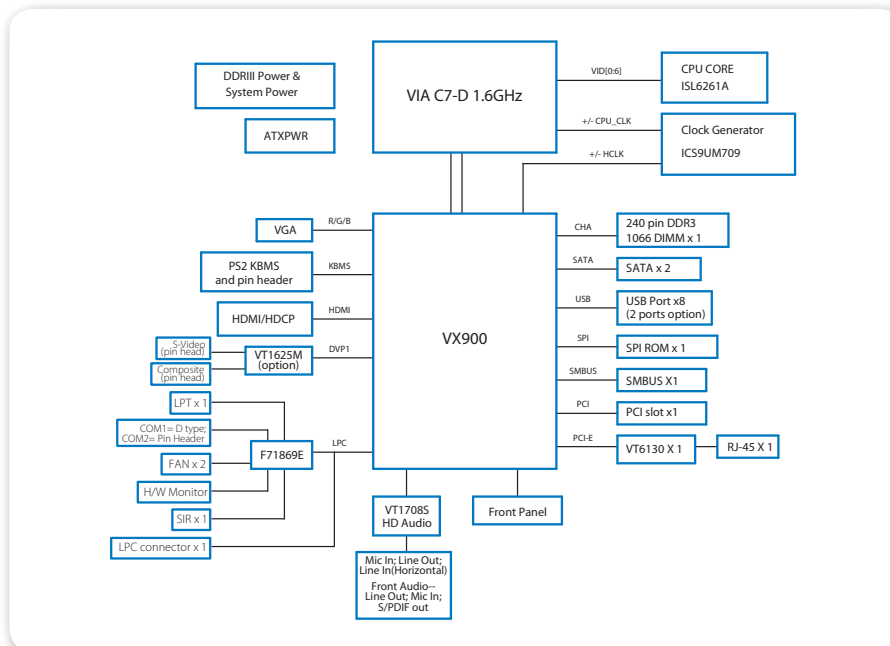
Specifications

Model Name	VB7008-16
System Monitoring & Management	System voltage monitoring CPU voltage monitoring Timer power-on, Wake-on LAN/KB/MS AC power failure recovery
Operating Temperature	0°C ~ 50°C
Operating Humidity	0% ~ 95% (relative humidity ; non-condensing)
Form Factor	Mini-ITX 17 cm x 17 cm

Ordering Information

Model Name	CPU Frequency	Description
VB7008-16	1.6GHz C7®-D	Mini-ITX Board with 1.6GHz C7®-D, VGA, USB, LAN, SATA and HDMI out

Block Diagram



Packing List

Items
SATA Cable x 1
1 x Driver CD
1 x I/O bracket