



VIA VB7001

A reliable, low-power and cost effective platform for fanless and small footprint embedded applications.

The VIA VB7001 Mini-ITX mainboard is the first VIA mainboard powered by the 1.5GHz VIA C7®-D processor, the world's first Carbon Free processor. Defining a new era of clean computing, VIA ensures that the carbon dioxide produced in the operation of the processor is offset through a comprehensive program of activities, as well as through remarkably low power use, setting new standards for performance per watt operation. With reduced power consumption across the whole platform, the VIA VB7001 mainboard is designed for next generation, power efficient mini embedded PCs.

Combining flexibility and a rich feature set, the VIA VB7001 supports up to 1GB of 400/533MHz DDR2 memory, two SATA connectors, and 10/100 Mbps Ethernet for smooth broadband performance. The platform also includes a PCI port, serial, parallel and USB ports for unparalleled connectivity options.

Fully compatible with Microsoft® Windows® 2000/XP, CE and XPe, and Linux operating systems, the VIA VB7001 Mini-ITX mainboard offers a comprehensive suite of drivers. The VIA VB7001 Mini-ITX mainboard is also fully compatible with all Mini-ITX, FlexATX and MicroATX chassis and associated accessories.

Спецификации

Спецификации VIA VB7001	
Модель	<ul style="list-style-type: none">VIA VB7001GVIA VB7001AG (no TV-out)
Процессор	<ul style="list-style-type: none">VIA C7®-D 1.5GHz NanoBGA2
Чипсет	<ul style="list-style-type: none">VIA CN700 North BridgeVIA VT8237R Plus South Bridge
Системная память	<ul style="list-style-type: none">1 DDR2 400/533 DIMM socketUp to 1GB memory size
Видео	<ul style="list-style-type: none">Integrated VIA UniChrome Pro AGP graphics with MPEG-2 decoding acceleration
Слоты расширения	<ul style="list-style-type: none">1 PCI slot
IDE	<ul style="list-style-type: none">2 UltraDMA 133/100/66 connectors
Serial ATA	<ul style="list-style-type: none">2 SATA connectors
ЛВС	<ul style="list-style-type: none">VIA VT6103L 10/100Mbps Ethernet PHY
Встроенное аудио	<ul style="list-style-type: none">VIA VT1618 8 channel AC'97 Codec
Onboard TV Out	<ul style="list-style-type: none">VIA VT1622AM SDTV Encoder
Разъемы ввода/вывода, расположенные на плате	<ul style="list-style-type: none">2 USB connectors for 4 additional USB 2.0 ports1 FIR connector1 SMBus connector1 Buzzer1 S/PDIF-out connector(optical)1 CIR connector (Switchable for KB/MS)1 Front-panel audio connector for line-out and mic-in2 Fan connectors for CPU and System fans1 ATX power connector
Разъемы ввода/вывода, расположенные на задней	<ul style="list-style-type: none">1 PS2 mouse port1 PS2 keyboard port

панели	<ul style="list-style-type: none"> • 1 S-Video port (optional) • 1 RCA port for composite TV out (optional) or S/PDIF (coaxial) • 1 Serial port • 1 VGA port • 1 RJ-45 LAN port • 2 USB 2.0 ports • 3 Audio jacks: line-out, line-in and mic-in (Horizontal, Smart 5.1 Support)
BIOS	<ul style="list-style-type: none"> • Award BIOS • LPC 4Mbit flash memory
Системный мониторинг и управление	<ul style="list-style-type: none"> • System voltage monitoring • CPU voltage monitoring • Timer-power-on, Wake-on-LAN/KB/MS, • AC power failure recovery
Диапазон рабочих температур	• 0°C~ 45°C
Влажность	• 0% ~ 95% (relative humidity ; non-condensing)
Форм-фактор	<ul style="list-style-type: none"> • Mini-ITX (4 layers) • 17 cm x 17 cm

* Спецификации могут измениться без предварительного уведомления.
