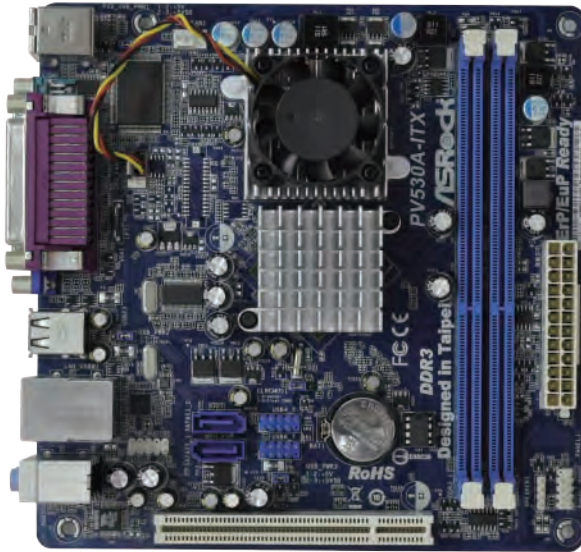


PV530A-ITX

VIA® PV530 CPU + VX900 A3 Chipset

ASRock
www.asrock.com



Product Brief

- VIA® PV530 Processor
- Solid Capacitor for CPU power
- Supports DDR3 1066 memory, 2 DIMM slots, Max. capacity of system memory: 4GB
- Built-in VIA® Chrome9 HD DX9 Graphics, DirectX 9.0, Max. shared memory 512MB
- 5.1 CH HD Audio (VIA® VT1705 Audio Codec)
- Supports ASRock XFast LAN, XFast USB, APP Charger, SmartView
- Free Bundle : CyberLink MediaEspresso 6.5 Trial, ASRock MAGIX Multimedia Suite

Detail Specification

Platform	- Mini-ITX Form Factor: 6.7-in x 6.7-in, 17.0 cm x 17.0 cm - Solid Capacitor for CPU power
CPU	- VIA® PV530 Processor (1.8 GHz) - Supports FSB800 MHz - Supports Untied Overclocking Technology
Chipset	- VIA® VX900 A3
Memory	- 2 x DDR3 DIMM slots - Supports DDR3 1066/800 non-ECC, un-buffered memory - Max. capacity of system memory: 4GB
Expansion Slot	- 1 x PCI slot
Graphics	- VIA® Chrome9 HD DX9 Graphics - Pixel Shader 2.0, DirectX 9.0 - Max. shared memory 512MB - Supports D-Sub with max. resolution up to 2048x1536 @ 75Hz
Audio	- 5.1 CH HD Audio (VIA® V1705 Audio Codec)
LAN	- Realtek PCIe x1 LAN 8105E - Speed: 10/100 Ethernet - Supports Wake-On-LAN - Supports PXE
Rear Panel I/O	I/O Panel - 1 x PS/2 Mouse Port - 1 x PS/2 Keyboard Port - 1 x Parallel Port (ECP/EPP Support) - 1 x Serial Port: COM1 - 1 x VGA Port - 4 x Ready-to-Use USB 2.0 Ports - 1 x RJ-45 LAN Port with LED (ACT/LINK LED and SPEED LED) - HD Audio Jack: Line in / Front Speaker / Microphone
Connector	- 2 x SATA2 3.0 Gb/s connectors - CPU/Chassis FAN connector - 24 pin ATX power connector - Front panel audio connector - 2 x USB 2.0 headers (support 4 USB 2.0 ports)
BIOS Feature	- 4Mb AMI Legal BIOS - Supports "Plug and Play" - ACPI 1.1 Compliance Wake Up Events - Supports jumperfree - SMBIOS 2.3.1 Support
Support CD	- Drivers, Utilities, AntiVirus Software (Trial Version), CyberLink MediaEspresso 6.5 Trial, ASRock Software Suite (CyberLink DVD Suite - OEM and Trial; Creative Sound Blaster X-Fi MB - Trial; ASRock MAGIX Multimedia Suite - OEM)
Unique Feature	- ASRock OC Tuner - ASRock Instant Boot - ASRock Instant Flash - ASRock OC DNA - ASRock APP Charger - ASRock SmartView - ASRock XFast USB - ASRock XFast LAN - Hybrid Booster: - CPU Frequency Steppless Control - ASRock U-COP - Boot Failure Guard (B.F.G.)
Hardware Monitor	- CPU Temperature Sensing - Chassis Temperature Sensing - CPU Fan Tachometer - Chassis Fan Tachometer - CPU Quiet Fan - CPU/Chassis Fan Multi-Speed Control - Voltage Monitoring: +12V, +5V, +3.3V, CPU Vcore
OS	- Microsoft® Windows® 7 / Vista™ / XP compliant
Certifications	- FCC, CE, WHQL - ErP/EuP Ready (ErP/EuP ready power supply is required)
Accessories	- Quick Installation Guide, Support CD, I/O Shield - 2 x SATA Data Cables (Optional)


ASRock PV530A-ITX VS G31 Ref MB

OS: Windows 7 Ultimate 32 bit

	PV530A-ITX (VIA VX900 A3) CPU : VIA PV530 1.8GHz DRAM : DDR3-800 2Gx1	G31 Ref MB CPU : Celeron 420 1.6 GHz DRAM : DDR2-800 2Gx1
Windows 7 Performance (Graphics)	3.2	3
Windows 7 Performance (Gaming Graphics)	3.1	3.1
Windows 7 Performance (Primary hard disk)	5.8	5.9
Power Consumption (Idle) (Watt)	42	53
Power Consumption (Full loading @ Prime95) (Watt)	53	61

ASRock PV530A-ITX VS Gigabyte EG41MF-S2H

Model	ASRock PV530A-ITX	Gigabyte EG41MF-S2H
Chipset	VX900 A3	G41 + ICH7
CPU	VIA PV530	Celeron 420
RAM	GSKill DDR3-800 2GBx1	GSKill DDR2-800 2GBx1
VGA	onboard	onboard
HDD	Western Digital WD5000AAKS	Western Digital WD5000AAKS
PSU	Corsair HX 850W	Corsair HX 850W

Model Name	Windows 7 OS Installation time	Time to boot up to Windows 7
ASRock PV530A-ITX (PV530 CPU + VIA VX900 A3 Chipset)	25m25.03s 	44.85s 
Gigabyte EG41MF-S2H (Celeron 420 CPU + Intel G41 Chipset)	29m44.52s	54.06sec

XFast LAN Technology

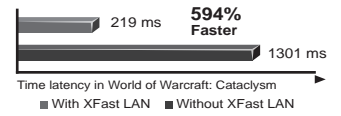


• LAN Application Prioritization



You can configure your application priority ideally and/or add new programs.

• Lower Latency In Game



After setting online game priority higher in XFast LAN, it can lower the latency in game.

• Traffic Shaping



You can watch Youtube HD video and download files simultaneously.

• Real-Time Analysis Of Your Data

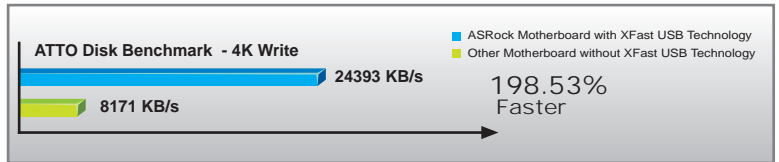
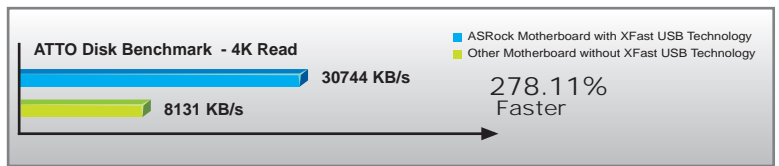


With the status window, you can easily recognize which data streams you are currently transferring.

XFast USB Technology



USB 2.0 Benchmark



VIA® PV530 Processor Inside

Designed to offer a compelling yet energy-efficient computing experience, the VIA PV530 processor is designed to power the next generation of optimized desktop PCs.



Cyberlink MediaEspresso 6.5 Trial

The fastest video media conversion software



MAGIX Multimedia Suite

The ultimate solutions to enhance your media experience. From music management, music creation, video editing to photo management. Simply do more with your media than you ever thought possible.



SmartView

The smart start page for the browser combines your most visited websites, web-browsed history, and real-time Facebook newsfeed into an enhanced internet browsing experience.



App Charger

The best Apple charge companion

