M51Kr Series Notebook PC

Mobile HD multimedia enjoyment!

Items marked yellow are optional!

Processor & Cache

AMD Turion 64 Mobile Technology Dual Core

- **Taylor (FX), S1(638pin), DDR2**
- **MK38, TK55/57**

AMD Turion 64 Mobile Technology Dual Core

- **Tyler Rev. G, S1(638pin), DDR2**
- **TL56/58/60/62/64/66**

* Intel's numbering is not a measurement of higher performance.

NOTE: Processor speed denotes maximum performance mode; processors will run at lower speeds in battery optimization mode.

Operating System

Preinstalled Genuine Windows® Vista™
- Genuine Home Basic
- Genuine Home Premium
- Genuine Business
- Genuine Ultimate

Chipset

- **ATI RS690M**
- **SB600**

BIOS

AMI 8MB Flash EPROM, PMU, Plug & Play.

Boot from USB, LAN, Ai-Flash3, Ai-Flash4, Ai-Flash5

Main Memory

Standard 512-MB, 1024-MB or 2048-MB 667/800MHz DDRII SDRAM; 2 x SODIMM slots supporting dual channel memory

Maximum Upgradeable to 4096-MB maximum* (2048-MB SODIMM in slots 1 and 2)

Dual-Channel DDR2 533/667 DRAM support

NOTE: Vista 32bit standard of memory modules at least 512-MB (and above). If you mix memory speeds, the system will perform at the lower memory speed. Above 3-GB, all memory may not be available due to system resource requirements, only Vista64bit supports 4GB.

Display

Internal
- 15.4-inch WSXGA+ (1680 x 1050 resolution and 16 M colors)
- 15.4-inch WXGA+ (1440x900 resolution and 16 M colors)
- 15.4-inch WXGA (1280 x 800 resolution and 16 M colors)

External Up to 32-bit per pixel color depth

VGA port supports resolutions up to 2048 x 1536 at 75 Hz, and lower resolutions at up to 100 Hz

NOTE: Resolutions are dependent upon monitor capability, and resolution and color depth settings.

Graphics & Video Module

ATI Radeon HD3470 (M82ME-XT) with Ext 256MB VRAM, HyperMemory 1024MB (with 2GB System DRAM)

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Display

WXGA 1280x800 256/64K/16.7M colors

WXGA+ 1440x900 256/64K/16.7M colors

WSXGA+ 1680x1050 256/64K/16.7M colors

Multi-Card Reader

8 in 1, Supports SD (Secure Digital), MMC (MultiMedia Card), Memory Stick, Memory Stick Pro, Memory Stick Duo*, Smart Media, xD-Picture card

*NOTE: Memory Stick Duo Adapters are required and sold separately. Inserting a Memory Stick Duo

Card directly into your notebook could damage the memory card and/or notebook.

Hard Disk Drive

320-GB 5400 rpm SMART SATA

250-GB 5400 rpm SMART SATA

200-GB 5400 rpm SMART SATA

160-GB 5400 rpm SMART SATA

120-GB 5400 rpm SMART SATA

NOTE: These hard drives are customer removable and will withstand multiple insertion/removal cycles.

Up to 8 GB is reserved for the system recovery software.

Expansion Card Slots

Express Card slot	Express Card/34 or ExpressCard/54

Camera

Rotate Camera,1.3M

Keyboard

340mm keyboard with numeric keys

19 mm full size, with MS-Windows Vista function keys

C/V/T Keycap printing (Splendid/Taking Picture/Power4phone). No function key printing on B Key(Detail pls refer to the ASUS Standard K/B Matrix & Layout r1.7)

Optical Storage Device

5.25" 12.7mm

24/10/8/24X Combo CD-RW+DVD

DVD-Super Multi DL

DVD- Super Multi DL LightScribe

HD-DVD (BTO)

Blu-Ray DVD (BTO)

Network Connectivity

Integrated mini-Card 802.11 b/g, 802.11 a/b/g/n (BTO Optional)

Bluetooth module v2.0+EDR (BTO option)

56K S/W modem (MDC type)

Video-conferencing I/F Compliance, V.92 support

Worldwide regulation, FCC/JATE/CTR21/DGT compliance

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Azalia Compliant MDM

On board 10/100/1000 Mbps Fast Ethernet controller

Support Wake-On-LAN on S4 AC-In Mode only

TV Tuner (optional)

Mini Card Interface

Hybrid TV Tuner (BTO)

Pure Digital TV tuner (BTO)

Interface

1x VGA port/Mini D-sub 15-pin for external monitor

4x USB 2.0 ports (Support 1A)

1x x TV RF in (Option)

2 Audio jack : Head phone (SPIDIF) / Mic-in

1x LAN RJ-45 and 1x Phone RJ-11 jack

1x 1394 Type jack

1 x DVI-D

Build in 3 mini-Card

LED Status Indicator

Power On/Suspend, Battery Full /Charging/Low, Bluetooth, WLAN enabling

Storage Access, Caps Lock, Number Lock, Scroll Lock

Audio

Built-in Azalia compliant audio chip, with 3D effect & full duplex

Build-in stereo speakers (2W) and microphone.

SoundBlaster Pro Compatible

Support Audio Jack Detect for Vista Basic Logo

Support Audio CODEC criteria for Vista Premium Logo

Power Management

Full feature SMI power management, Stand-by, Suspend to Disk, and Suspend to RAM

ACPI 1.0 and 2.0 (partially) and 3.0 (partially) supported
MDP 2003 compatible

Battery

Li-Ion 53WHrs, (6 cells: 4800mAh, 3S2P)

Li-Ion 80WHrs, (9 cells: 7200mAh, 3S3P)

Battery Life

Built-in gauge IC

Charging time: 2 hrs Quick charge 90% (Power off) / 4hrs (Power on)/3S2P

2.5 hrs Quick charge 90% (Power off) / 4.5hrs (Power on)/3S3P

Battery low-low enters Save-To-Disk mode. (This setting can be changed by the customers themselves)

NOTE: Battery life will vary depending on the product configuration, product model, applications loaded on the product, power management settings of the product, and the product features used by the customer.

As with all batteries, the maximum capacity of this battery will decrease with time and usage.

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Power Supply

External 90-watt AC adapter

Output: 19V DC, 4.7A, 90W

Input: 100~240V AC, 50/60Hz universal

2/3 pin power supply system

Hot Keys

Power button

WLAN/Bluetooth On/Off Switch

Instant Launch Keys

Power4 Gear +, Touch pad Lock, Splendid, Instant On, Internet

Function Keys

Fn+F1	Suspend Switch	**Fn+F2**	Wireless/Bluetooth switch	**Fn+F3**	E-mail
Fn+F4	Internet	**Fn+F5**	Brightness down	**Fn+F6**	Brightness up
Fn+F7	LCD on/off	**Fn+F8**	LCD/External Display switch display	**Fn+F9**	Touch Pad lock
Fn+F10	Volume on/mute	**Fn+F11**	Volume down	**Fn+F12**	Volume up
Fn+C	Splendid	**Fn+T**	Power 4 phone	**Fn+Space**	Power 4 Gear+
Fn+V	Camera	**Fn+NumLK**	Scr LK on/off	**Fn+ ↑**	Stop
Fn+ ←	Previous section / Previous Track	**Fn+ →**	Next section / Next Track	**Fn+ ↓**	Play/Pause

Pointing Device

Built-in Wide Type Touchpad

2 click buttons

Support Pad-Lock Function (Fn+F9 on/off)

Heat Dissipation

ADTD (Developed by Asus) to handle **35W** CPU thermal envelope

25W VGA with 256M VRAM thermal envelope

High-exchange efficiency copper molding heatsink with heat-pipes

Temperature-Controlled cooling fan

Dimensions (WxDxH) 365 x 269.5 x 28-40.5 mm

Weight 2.95 Kg with 6-cell battery

NOTE: Height varies depending upon where on the notebook the measurement is made. Weight varies by configuration and components.

Security

TPM 1.2 (Optional) – Integrated by BIOS and SW UI w/ Security Function

AuthenTec FingerPrint Built-In

Built-In ASUS Security Protect Manager for finger print option, ADSM for W/O finger print option

Pre-OS Authentication by programmable key code

BIOS Booting User Password Protection

HDD User Password Protection and Security Lock

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Kensington Lock hole provided

USB Accessory (optional)

Ai-Flash 4/ Ai-Flash5
USB mouse (Logitech BJ79)
USB data transfer cable support networking and USB 2.0
USB-COM cable

USB 2.0 HDD module
Bluetooth Earphone / VOIP Phone
USB TV dangle

Software Utility

Asus Built or modified for Vista

- Asus Win flash for BIOS and Driver live Update (Pre-install)
- ASUS DVD 2000 / Cyber link Power DVD (w/ DVD model) w/ latest qualified version (CD)
- Asus Screen Saver (Pre-install)
- Asus Live Update (Pre-install)
- Asus Life frame 3 (Pre-install)
- Asus Smart Log on System (Pre-install)
- Asus Copy Protect (Pre-install)
- ASUS Multi-Frame (Driver CD)
- ASUS Wireless Console (Pre-install)
- Net 4 switch (Driver CD)
- Asus Virtual Camera (Driver CD)
- Power 4 Phone (Pre-install)
- Asus NB Probe + (Pre-install)
- Color Enhancement (Splendid) (Pre-install)
- **ASUS Security Protect Manager 2.0** (Pre-install)
- Infineon Security Platform Host SW (Pre-install)
- Instant Fun PLUS (Pre-install)

Shipment bundle S/W:

- Norton Internet Security 2007 (Pre-install)
- Adobe Acrobat Reader 8.0 (Pre-install)
- NERO 7 Essentials (Pre-install)

Industry Standard Certifications

UL
CE Marking Compliance
FCC Compliance
BSMI
Australia C-TICK / NZ A-Tick Compliance
Japan VCCI Compliance
IDA

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CCC
GOST-R
CB

Regulation

- EMI: USA(FCC-B), JAP(VCCI-B), TWN, CCC
- Safety: CE, CB, TUV, UL/cUL, CCIB, CCC
- Modem: Universal PPT including US(FCC-B), TWN(DGT), PRC (FCC68), JPN(JATE), EURO(CTR21)
- TWN
- ROHS, WEEE, SJ/T 11364

Windows Certification

- Compatibility: Window Vista, WinKey
- Language: US Int'l, JAP, TWN
- Supported OS: Windows Vista
- Driver WHQL support , Vista (64-bit one Disc)

Keyboard Language

- US(TWN), JP, UK, KOR, France, GR CR,DN,CZ, IT, BL, NW, PO, SF, SP, SW, SC, FR, JP, RU ,UK Spain, TUR, AR

Casing

Plastic A/B/C/D parts (slim, lightweight and durability)

A/C parts are made with ASUS Infusion (IMR) technology

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