

B50A Series Notebook PC

A Revolutionary Notebook for Virtual Office!

Rev 1.0

2008/May

Processor & Cache

- Intel Centrino 2 Processor T9400/P9500 with 6MB On-Die L2 Cache. FSB=1066Mz
- Intel Centrino 2 Processor P8600/P8400/P7350 with 3MB On-Die L2 Cache. FSB=1066Mz
- Intel Centrino 2 Processor T5850/T5750 with 2MB On-Die L2 Cache. FSB=667Mz

* 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

Intel GM45 1066MHz FSB + ICH9M

BIOS

AMI Legacy BIOS code

LPC (ITE 8752 SPI bus) 8MB Flash EPROM

PMU, Plug & Play.

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

Main Memory

Standard 1024-MB or 2048-MB 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 800 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 low memory speed.

Display

Internal 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

Intel GMA X4500HD (GM45):

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

160-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

Fixed Camera, 1.3M (optional)

Keyboard

Desktop-Like Ergonomic Full-Size 87/88key, 3mm Travel

with Win Function Key

Spill proof

Add Vista K/B Start Button

Optical Storage Device

5.25" 12.7mm

DVD-Super Multi DL

Network Connectivity

Intel® Wireless WiFi Link 5100 AGN (BTO Optional)

Bluetooth module v2.1+EDR (BTO option)

Build in SIM card slot.

56K S/W modem (MDC type)

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

Worldwide regulation, FCC/JATE/CTR21/DGT compliance

Azalia Compliant MDM

On board 10/100/1000 Mbps Fast Ethernet controller

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

Interface

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

4x USB 2.0 ports (Support 1A)

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

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

- 1x 1394 Type jack
- 1x Infrared Ports Support IrDa (4Mbps)
- 1 x HDMI
- 1 x eSATA
- 1 x Docking Port (Hot Swap)
- 1 x Express Card

LED Status Indicator

Power On/Suspend, Battery Full /Charging/Low, Bluetooth, WLAN enabling, Caps Lock, Number Lock, E-Mail

Audio

- Built-in Azalia compliant audio chip, with 3D effect & full duplex
- Build-in stereo speakers (2W) and microphone.
- 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 77WHrs, (8 cells: 5200mAh, 4S2P)

Battery Life

- Built-in gauge IC
- Charging time: 2 hrs Quick charge 90% (Power off) / 4hrs (Power on)
- 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.

Power Supply

- External 65-watt AC adapter
- Output: 19V DC, 3.42A, 65W
- Input: 100~240V AC, 50/60Hz universal
- 2/3 pin power supply system

Hot Keys

- Power button
- Instant Launch Keys
- Power4 Gear +, Touch pad Lock, WLAN on/off, Splendid, ExpressGate, Keyboard Lighting LED

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+Ins	Numeric Key Pad on/off	Fn+ ↑	Stop
Fn+ ←	Previous section / Previous Track	Fn+ →	Next section / Next Track	Fn+ ↓	Play/Pause

Pointing Device

Built-in Wide 16:9 Touchpad

2 click buttons

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

Heat Dissipation

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

High-exchange efficiency copper molding heat sink with heat-pipes

Temperature-Controlled multi rotating speed cooling fan to prevent noise with "Flux Tunnel Routing"

Dimensions (WxDxH) 363 x 263 x 25-35.7 mm

Weight 3.0 Kg with 8-cell battery

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

Security

Trusted Platform Module solution – Intel Built in TPM or TPM 1.2 (Optional) – Integrated by BIOS and SW UI w/ Security Function

AuthenTec FingerPrint Built-In (optional)

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

Kensington Lock hole provided

Docking (optional)

Feature:

1. USB 2.0 x 5
2. VGA x 1
3. Gigalan x 1
4. DVI-D x 1
5. Printer Port x 1
6. Com Port x 1
7. PS2 x1
8. DC Jack in (120W)

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

RF Vista TV controller

Bluetooth Vista TV controller

Software Utility

Asus Built or modified for Vista

- n Asus Win flash for BIOS and Driver live Update (Pre-install)
- n Asus Power4Gear eXtreme (Pre-install)
- n Asus Live Update (Pre-install)
- n Asus Life frame 3 (Pre-install)
- n Asus Smart Log on System (Pre-install)
- n Asus Copy Protect (Pre-install)
- n ASUS Multi-Frame (Pre-install)
- n ASUS Wireless Console (Pre-install)
- n Net 4 switch (Driver CD)
- n Asus Virtual Camera (Pre-install)
- n Power 4 Phone (Pre-install)
- n Asus NB Probe + (Pre-install)
- n Color Enhancement (Splendid) (Pre-install)
- n ASUS Security Protect Manager 2.0 (Pre-install)
- n Infineon Security Platform Host SW (Pre-install)
- n **Express Gate (Pre-install)**

Optional by model & SKU

- n ASUS Data Security Manager (WO/FP sku)
- n ASUS Security Protect Manager (W/FP sku)
- n TPM Utility
- n Virtual Drive
- n WinDVD (W/ BD & BD DVD sku)
- n Asus 3G Watcher (Pre-install for 3G)

Shipment bundle S/W:

- n Norton Internet Security 2008 (Pre-install)
- n Adobe Acrobat Reader 8.0 (Pre-install)
- n NERO 8 Essentials (Pre-install for BD)
- n ASUSDVD V7 (For Basic & Business only) (Pre-install)
- n Power Director V6 (For Basic & Business only)
- n Medi@Show V3 (For Basic & Business only)
- n **Power2Go V5.5 (燒錄功能) (Pre-install)**
- n **PowerProducer V4**
- n **LabelPrint V2**

Industry Standard Certifications

UL

CE Marking Compliance

FCC Compliance

BSMI

Australia C-TICK / NZ A-Tick Compliance

Japan VCCI Compliance

IDA

CCC

GOST-R

CB

Regulation

n EMI: USA(FCC-B), JAP(VCCI-B), TWN(檢磁), CCC

n Safety: CE, CB, TUV, UL/cUL, CCIB, CCC

n Modem: Universal PPT including US(FCC-B), TWN(DGT), PRC (FCC68), JPN(JATE), EURO(CTR21)

n Wireless RF Certification: TWN, CHN, FCC, European, Telec

n TWN 環保標章

n RoHS (S-AT2-001) ☐

n WEEE (S-AT2-002)

n Energy star ☐

n TCO05

n J-Moss

n GS

Windows Certification

n Compatibility: Window Vista 32/64 bit, WinKey

n Language: US Int'l, JAP, TWN

n Supported OS: Windows Vista

n Driver WHQL support , Vista (64-bit one Disc)

Keyboard Language

n 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)