

N50Vn/Vc Project

Marketing Specification Rev. 1.0

Revision History

Date	Version	Description
2008/ Jul 11	1.0	Marketing spce R1.0 release

Project initial Approved by

Marketing/SalesR&D

N50Vn/Vc Montevina

www.asus.com

Rev 1.0

2008/Jul/11

2-Spindle, Monteria 15.4" WXGA/WXGA+/WSXGA+ TFT Trendy, Slim, and Light for Mobility Platform

Specifications

Processor & Cache

- Intel Centrino 2 Processor T9400 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 T9500/T9300/T8300/T8100 Processor with 6MB/3MB On-Die L2 Cache. FSB=800Mz.
- Intel Centrino 2 Processor T5850/T5750 with 2MB On-Die L2 Cache. FSB=667Mz

BIOS

- [AMI BIOS code \(UEFI\)](#)
- [LPC \(ITE 8752 SPI Bus\) 8Mb Flash EPROM](#)
- [PMU, Plug & Play](#)
- [Boot from USB, LAN,Ai-Flash 3,Ai-Flash 4, Ai-Flash 5](#)

Chipset

- Intel® PM 45, [945PM-Series-\(Calistoga\)-667](#)1066MHz FSB + ICH97M

Main Memory

- 2 x SODIMM Sockets for Expansion Up to 8 GB (BTO Option)

Turbo Memory (option)

- Dual Channel [DDR2 800](#) DRAM support
- [Support Intel Turbo Memory 2.0 Technology \(Option\), Mini-Card interface \(1G/2G/4G\).](#)

Display

- WXGA, [WXGA+](#), WSXGA+-
- Dual Channel LVDS I/F
- [15.4" VESA like LED \(BTO\)](#)
- [Light Detection](#)

Graphics & Video Module

- N50Vn: NV NB9P-GT (GeForce 9650M GT) 1G (64M16 [DDR2](#) *8-VRAM)
- N50Vc: NV NB9M-GS (GeForce 9300M GS) 512MB (64M16 [DDR2](#) * 4-VRAM)
- DX10.1 Support
- H.264/VC-1 Hardware decoding
- HDCP support
- VGA 640 x 480 256/64K/16.7M colors
- SVGA 800 x 600 256/64K/16.7M colors
- XGA 1024 x 768 256/64K/16.7M colors
- UXGA 1600 x1200 256/64K/16.7M colors
- New Card supported

CRT Display Modes

PC Cards Slot

Multi-Card Reader

- One built-in [8-in-1](#) card reader support
 - ◆ MMC/ SD/ Mini-SD /XD
 - ◆ Memory Stick/ MS Pro/ MS-Duo/ MS-Pro-Duo

Hard Disk Drive

- 2.5" 9.5mm SATA HDD/ 2.5" 12.5mm SATA HDD

Optical Storage Device

- [Support Hybrid Disc \(Ready Drive\)](#)
- Interchangeable 5.25" [SATA](#) DVD Super Multi
- Super Multi Light Scribe
- [HD DVD, Blue-Ray](#)

LAN

- On board 10/100/[1000](#) Mbps Fast Ethernet controller
- Support Wake-On-LAN on S4 AC-In Mode only

Network Connectivity

Reserve Intel [Ebron \(WiMax/WiFi\) \(Support Antenna 3X3 \)](#)

[Intel Shiloh WiFi a/g/n supported](#)

- Shirley Peak 3x3 Full card
- Shirley Peak 1x2 Full card
- On board 10/100/1000 Mbps Fast Ethernet Controller
- Built-In Bluetooth V2.0 + [EDR](#) Module
- Built in Mini-Card Interface WWAN module
- [WWAN 3.5G \(5 bands \)Antenna support \(BTO\)](#)
- [SIM Card slot](#)
- Reserve UWB (Half Mini card)

LED Status Indicator

- Front side
 - Power-on/Suspend (Orange)
 - Bat. Charging/full/low (Orange)
 - Storage device access (Blue)
 - Wireless indicator (Blue)
 - Bluetooth Indicator (Blue)

Video Camera

- Near Power button
 - Ionizer Indicator (White)
 - Num Lock (White)
 - Cap. Lock (White)
- [Fix Camera, 1.3M with LED indicator](#)
- [Fix Camera, 2M-with LED indicator](#)
- [Without Camera](#)
- Mini-Card Interface
- [Hybrid TV Tuner /Pure Digital TV Tuner \(BTO\)](#)

TV Tuner (Option)

Keyboard

- 348 Numeric K/B
- Vista K/B Start Button
- Shenzhen Sunyou DC5V 1,8KV with Blue LED indicator

Ionizer

Interface

- One VGA port/Mini D-sub 15-pin for External Monitor
- [3x USB 2.0 Ports](#)
- One IEEE 1394 Type A Jack
- Two Audio Jacks: Mic-in and [SPDIF Speaker-out](#)
- One LAN RJ-45
- One Kensington Lock
- [One HDMI](#)
- [One External SATA](#)
- [Build in 3 Full Mini-Card](#)
- [One TV RF-in connector \(Option\)](#)
- [One Express card](#)

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Audio

- Built-in Azalia compliant audio chip
- Built-in Stereo Speakers(2W) and microphone
- **Altec Lansing Speaker**
- **Realtek ALC663**
- [Support Audio Jack Detector for Vista Basic Logo](#)
- [Support Audio CODEC criteria for Vista Premium Logo](#)

Hot Keys

- 1 x Power Button
 - 1 x WLAN/Bluetooth On/Off Switch
 - 1 x Instant Fun extreme
 - Instant launch Keys (Cap Sensor)
 - ◆ 5 buttons, 1 for mode switch, others for following function
- Mode 1: Power4Gear eXtreme, Splendid, Wireles switch, Ionizer; Mode 2: Previous section, Play/Pause, Stop, Next section

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+Del Insert
- ◆ Fn+Space Power 4 Gear
- ◆ Fn+C Splendid
- ◆ Fn+T Power 4 phone (not printed)
- ◆ **Fn+V Take picture**
- ◆ Fn+Num LK (ScrLk)
- ◆ Fn+ ↑ Stop
- ◆ Fn+ ↓ Play/Pause
- ◆ Fn+ ← Previous section / Previous Track
- ◆ Fn+ → Next section / Next Track

Power Management

- [Full feature SMI power management. Stand-by, Suspend to Disk, and Suspend to RAM.](#)
- [ACPI 1.0b and 2.0 \(partially\) and 3.0 \(partially\) supported](#)
- [MDP 2003 compatible](#)
- Li-Ion 53WHrs (6 cells: 4800mAh, 3S2P),
- Li-Ion 80WHrs (9 cells: 7200mAh, 3S3P)

Battery Pack & Life

AC adapter

- Output : 19V,90W
- Input : 100~240V AC, 50/60Hz universal
- 3/ 2 pin compact power supply system
- Built-in Wide Type Touch pad pointing device
- 2 click buttons

Pointing Device

Heat

Dissipation

- ADTD (Developed by Asus) to handle **35W** CPU thermal envelope
- **25W** VGA with 256M/256M VRAM thermal envelope
- High-exchange efficiency copper molding heatsink with heat-pipes
- Temperature-Controlled cooling fan
- 369 x 276 x [29-43 mm](#)
- 2.95kg with 6 cell battery

Dimensions/ Weight

Support OS

- **Windows Vista (64/32 bit)**, 64/32-bit Driver CD with Driver WHQL support.

Security

- Trusted Platform Module solution – **TPM and &-Sinosun solution** (reservation)
- Fingerprint recognition (**Option**)
- 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

Accessory (option)

- HDD User Password Protection and Security Lock
- Kensington Lock hole provided
- **Accessory List**
- 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
- **USB Port Replicator / Express Card type Replicator**

Additional Spec

S/W Utility

- Asus Built or modified for Vista
- ASUS WinFlash
 - ASUS Power4 Great eXtreme
 - ASUS Live Update
 - ASUS LifeFrame3
 - ASUS Virtual Camera
 - ASUS SmartLogon (Face Logon is old MKT name)
 - ASUS NB Probe
 - ASUS Net4 Switch
 - ASUS MultiFrame
 - ASUS Wireless Console
 - Express Gate
 - ASUS Splendid
 - ASUS Data Security Manager
 - TPM Utility
 - ASUS CopyProtect
 - ASUS Center
 - Hybrid Power 4 Gear
- Shipment bundle S/W:
- Norton Internet Security 2008
 - Adobe Acrobat Reader 8
 - NERO 8 Essentials (For BD/HD)
 - ASUSDVD 6 in 1 (For Basic & Business only)
 - Power Director V6 (For Basic & Business only)
 - Medi@Show V3 (For Basic & Business only)
 - Power2Go V5.5 (燒錄功能)
 - PowerProducer V4
 - LabelPrint V2
 - WinDVD BD/HD

Regulation

- EMI: USA(FCC-B), JAP(VCCI-B), TWN(檢磁), CCC
- Safety: CE, CB, cUL, CCC, Energy Star 4.0, Modem: Universal PPT including US (FCC-68), TWN (DGT), PRC (入網證), JPN (JATE), EURO (CTR21)
- TWN Green Mark
- 大陸節能標章
- EPEAT
- EU Flower

Windows Certification

- Compatibility: **Window Vista**, WinKey
- Language: US Int'l, JAP, TWN
- Supported OS: Vista

Keyboard Language

- US (TWN), JAP, UK, Kor before M/P
- France, GR CR, DN, CZ, IT, BL, NW, PO, SF, SP, SW, SC, FR, JP, RU, UK Spain, AR, TUR when M/P

Formátované: Odrážky a číslovanie