

## 2 Spindle Merom 2.33+GHz Ready Model 17" Wide TFT Digital Home Hub

### Specifications

<b>Processor &amp; Cache</b>	<ul style="list-style-type: none"> <li>n Intel Merom Duo processor, FSB=800 MHz</li> <li>n Intel Merom T7100~T7700+ Processor with 4MB On-Die L2 Cache. FSB=800MHz.</li> <li>n Support Power4 Gear+ (Frequency limited + throttle)</li> <li>n uFC-PGA package</li> <li>n Virtualization Technology supported</li> <li>n Support Power4 Gear+ (Frequency limited + throttle)</li> <li>n uFC-PGA package</li> </ul>	<ul style="list-style-type: none"> <li>( Motorola M3) Modem</li> <li>n On board 10/100/1000 Mbps RealTeK Fast Ethernet controller</li> <li>n Full and Half duplex mode support for 10/100/1000 Mbps</li> <li>n MODEM supported V.92 and universal PPT ( CTR 21, JATE, FCC, A-tick, DGT)</li> <li>n Built-in Bluetooth 2.0+ EDR module (optional)</li> <li>n 1.3M (Default) pixels CMOS Camera module built-in (Factory option)</li> </ul>
<b>BIOS</b>	<ul style="list-style-type: none"> <li>n AMI BIOS Code, 8Mb ISA Flash EPROM, PMU, Plug &amp; Play.</li> <li>n Boot from CDROM &amp; USB FDD, Ai-Flash 4/5, LAN</li> </ul>	<b>Video Camera TV Tuner</b>
<b>Robinson</b>	<ul style="list-style-type: none"> <li>n Support Intel Robinson Technology, 512MB/ 1GB NAND Flash optional</li> <li>n PCI-Express mini card interface</li> </ul>	<ul style="list-style-type: none"> <li>n Mini card USB interface</li> <li>n Hybrid TV tuner(Analog+ DVB-T)</li> <li>n Software encoding</li> <li>n Terrestrial support</li> </ul>
<b>Chipset</b>	<ul style="list-style-type: none"> <li>n Intel® PM965 Series chipset (Crestline) 800MHz FSB + ICH8M</li> </ul>	<b>LED Status Indicator</b>
<b>Main Memory</b>	<ul style="list-style-type: none"> <li>n 2 x SODIMM socket for expansion up to 2GB/4GB(TBD) DDRII DRAM support</li> <li>n DDRII-667 MHz support</li> <li>n Support dual channel</li> </ul>	<ul style="list-style-type: none"> <li>n Power-on/Suspend</li> <li>n Bat. Charging/full</li> <li>n Storage device access</li> <li>n Caps Lock</li> <li>n Num Lock</li> <li>n Power 4 Phone</li> <li>n Wireless indicator</li> <li>n Bluetooth indicator</li> </ul>
<b>Display</b>	<ul style="list-style-type: none"> <li>n 17" wide (16:10) active matrix TFT, WXGA+ ,1440x900 (glare type / Brightness enhance version)</li> <li>n Color Enhancement( Splendid) support</li> </ul>	<b>Instant Key</b>
<b>Graphics &amp; Video Module</b>	<ul style="list-style-type: none"> <li>n nVidia NB8M-SE(GeForce 8400M G ) w/ 128MB VRAM support</li> <li>n Support GDDR III type VRAM, 128MB</li> </ul>	<ul style="list-style-type: none"> <li>n Instant launch Keys                             <ul style="list-style-type: none"> <li>u Power4 Gear +, Color Enhancement, Power 4 Phone, Touch pad lock</li> </ul> </li> <li>n Function Keys                             <ul style="list-style-type: none"> <li>u Fn+F1 suspend switch</li> <li>u Fn+F2 Wireless control</li> <li>u Fn+F3 E-mail</li> <li>u Fn+F4 Internet</li> <li>u Fn+F5 Brightness down</li> <li>u Fn+F6 Brightness up</li> <li>u Fn+F7 LCD on/off</li> <li>u Fn+F8 LCD/CRT/TV-out switch display</li> <li>u Fn+F9 Touch Pad lock</li> <li>u Fn+F10 Volume on/mute</li> <li>u Fn+F11 Volume down</li> <li>u Fn+F12 Volume up</li> <li>u Fn+Ins Numeric Key Pad on/off</li> <li>u Fn+Del Scroll Lock on/off</li> <li>u Fn+Space Power 4 Gear</li> <li>u Fn+C Splendid (not printed)</li> <li>u Fn+↑ Stop</li> <li>u Fn+↓ Play/Pause</li> <li>u Fn+ ← Previous section / Previous Track</li> <li>u Fn+ → Next section / Next Track</li> </ul> </li> <li>n Slide Switch                             <ul style="list-style-type: none"> <li>u Wireless switch for Bluetooth and WLAN</li> </ul> </li> </ul>
<b>CRT Display Modes</b>	<ul style="list-style-type: none"> <li>n Depend on GeForce 8400M G</li> </ul>	<b>Keyboard</b>
<b>PC Cards Slot</b>	<ul style="list-style-type: none"> <li>n New Card Support</li> <li>n 5-in-1 MMC, SD, MS/MS-Pro, and (XD) card slot, Support push/push type</li> </ul>	<ul style="list-style-type: none"> <li>n 340mm keyboard with Ten-keys and MS Windows function keys.</li> <li>n 2.5mm travel</li> </ul>
<b>Hard Disk Drive</b>	<ul style="list-style-type: none"> <li>n 2.5" 9.5mm SATA HDD /w Ultra DMA/100 / S.M.A.R.T. supported</li> <li>n 2.5" 12.5mm SATA 4200 RPM HDD (200 GB)</li> <li>n Supported capacities of 2.5"120/160/200 GB 5400RPM (HGST) (BTO option)</li> <li>n Support Ready drive.</li> </ul>	
<b>Optical Storage Device</b>	<ul style="list-style-type: none"> <li>n 12.7mm DVD Super-Multi drive</li> <li>n Light Scribe support</li> </ul>	
<b>Network Connectivity</b>	<ul style="list-style-type: none"> <li>n Integrated PCIe(Mini Card) 802.11a/g/n (BTO option) (a/b/g EU/RW/JP/NA, b/g CH1~11/CH1~14)</li> <li>n Antenna supports 802.11a/g/n</li> <li>n Intel 4965 (Kedron) supported</li> <li>n Integrated Azalia compliant MDC Data/ Fax/ Voice</li> </ul>	

- Interface**
- n One Headphone-out jack / **SPDIF**
  - n One Microphone-in jack
  - n **One AV-In**
  - n One Line-in Jack
  - n One VGA port/Mini D-sub 15-pin for external DDC monitor
  - n One TV-out connector which including S-Video and Composite video signal
  - n One RJ11 Modem jack
  - n One RJ45 LAN Jack
  - n 5\*USB 2.0 ports(TBD) (1 support E-SATA)
  - n One IEEE 1394 port
  - n One CIR for remote control
  - n **One HDMI port, support HDCP**
  - n **One External SATA port (combo with USB port)**

- Audio/Video**
- n Built-in Azalia compliant audio chip, with 3D effect & full duplex
  - n **Realtek 882H**
  - n **Dolby Digital Live Logo**
  - n Built-in 4 stereo speakers
  - n **Software DSP function**

- Power Management**
- n Full feature ACPI 2.0 power management, Stand-by, Suspend to Disk, and Suspend to RAM
  - n MDP 2003 compatible
  - n ASUS Power4 Gear+ support

- Battery Pack & Life**
- n **8 cells core pack battery module, 2400mAh cell, 65Whrs**
  - n Smart battery, charging time, 4hrs/2.5hrs (System On/Off) to 95%
  - n **Battery life >= 2hrs (Power Saving Mode)**
  - n Battery low-low enters Save-To-Disk mode

- AC adapter**
- n Output: 19V DC, 4.74A, **90W**
  - n Input: 100~240V AC, 50/60Hz universal
  - n Built-in gauge IC
  - n 2/3pin compact power supply system

- Pointing Device**
- n Built-in wide Touchpad
  - n 2 click buttons with scroll area

- Heat Dissipation**
- n 51W thermal envelop (35W for CPU and **20W(TBD)** for GFX)
  - n High-exchange efficiency copper molding heatsink with heat-pipes
  - n Temperature-controlled multi rotating speed cooling fan to prevent noise with "Flux Tunnel Routing"
  - n Support CPU @ 65%TDP operation

- Dimensions /Weight**
- n 405 \* 314\* 38.2 mm
  - n Weight 4.1kg

- Security**
- n BIOS setup, Power-on, HDD User Password Protection, BIOS I/O lock
  - n Kensington Lock hole provided

- Casing**
- n Plastic alloy casing A/B/C/D parts

- Accessory List**
- n 1.44MB 3.5" FDD support USB v1.1

- USB FDD (Option)**
- n Ai-Flash 4/ Ai-Flash5
  - n Ai-Remote
  - n USB mouse (Logitech BJ79)
  - n USB data transfer cable support networking and USB 2.0
  - n USB-COM cable
  - n USB 2.0 HDD module
  - n RF Mouse

- n Remote Control for MCE and Mobile Theater 4.0.

**Additional Spec**

- S/W Utility**
- Asus Built or modified for Win XP:
    - n Asus Winflash for BIOS and Driver live Update
    - n Power4Gear 2: Pre-defined power saving theme
    - n ASUSDVD 6.0 /Cyberlink PowerDVD (w/ DVD model)
    - n Asus Screen Saver
    - n Asus Active Update
  - Shipment bundle S/W:
    - n Adobe Acrobat Reader 7.0
    - n Nero v6.0+ (w/ Combo model)
    - n NIS 2006
    - n ASUS Live Update
    - n Power director
    - n Mobile Theater 4.0
    - n Power 4 Phone (Motorola[#M3] MDM quality issue) (TBD)
    - n Color Enhancement (Splendid)

- Regulation**
- n EMI: USA(FCC-B), , TWN(BSMI), C-Tick, IDA, CCC(MIC)
  - n Safety: CE, UL,CB, CCC, BSMI
  - n Modem: Universal PPT including US(FCC-B), TWN(DGT), PRC (FCC68), JPN(JATE), EURO(CTR21)
  - n **TV Tuner Safety à CB/ IEC60950-1; UL/ 60950-1; BSMI; CCC**
  - n **TV Tuner EMI à EN55013/ 55020 certification**

- Support OS**
- n **Windows Vista (Basic& Premium)**
  - n Driver support , Vista (64-bit one Disc), Vista (32-bit One Disc)

- Windows Certification**
- n Compatibility: HCT V12.1A (Window XP), Win KEY
  - n Language: US Int'l, JAP, TWN
  - n Supported OS: **Vista**
  - n **Microsoft Direct Media Support**

- Keyboard Language**
- n US, TWN before M/P
  - n France, GR CR, DN, CZ, IT, BL, NW, PO, SF, SP, SW, SC, FR, JP, RU, UK Spain, BRA, ARB,BEL, TUR AR when M/P

- Extra Chassis request**
- n Able to use A7 Gaming housing (G2) and EE spec (e.g: extra LCD and LED circuits).

- USB Power Charger**
- n Left-hand side USB port support power charge when Power-off