



# Verified By Intel® Program

## Barebone Notebooks Product Guide

For products with  
Intel® Centrino® Pro and  
Intel® Centrino® Duo  
processor technology  
based on the latest  
Intel® Core™2 Duo  
processor and mobile  
Intel® 965 Express  
chipset family

Q2 2007



# Verified by Intel<sup>®1</sup> Program—Barebone<sup>2</sup> Notebooks Product Guide

Looking to build a notebook with next-generation technology? Use this guide to explore and compare the features of a wide range of notebook barebone platforms and components. With the Verified by Intel<sup>®</sup> program, you can assemble an optimized notebook tailored to your customer's unique needs. When building your next notebook, build it on the foundation of a notebook barebone that is Verified by Intel for the interchangeability of key notebook components.

## Reseller Benefits

### Verified by Intel<sup>®</sup>

Intel is working with ASUSTek\*, Compal\*, Mitac\*, and Quanta\* to deliver a new class of Build to Order (BTO) notebooks. Verified By Intel<sup>®</sup> means these notebook designs have passed verification testing performed by Intel and the ODM for interchangeability of key notebook components known as common building blocks. Verified by Intel provides interchangeability benefits to accelerate your BTO notebook business:

- **MORE FLEXIBILITY:** Using common building block components across participating manufacturers' notebooks gives you more flexibility in your BTO business.
- **MORE CHOICES:** You're not dependent on the component availability from a single source. Multiple supplier sources are available for most common building block categories.
- **LESS INVENTORY:** Simplify your inventory stocking requirements. Each supplier's Common Building Blocks are interchangeable across a range of participating ODMs' notebooks.

All barebones receiving the Verified by Intel designation have been tested to ensure they meet basic performance requirements for battery life, wireless antennas, and system thermals. System stability is also reviewed through electrical validation of Intel component specifications and overall system hardware. All BIOS and software releases are evaluated to ensure operational expectations are met.

The following pages show the barebones and common building blocks that have been verified for interchangeability.

### Powered by Intel

Outmatch your competition in the mobile space! Offer the latest Intel<sup>®</sup> Centrino<sup>®</sup> Duo processor technology-based notebooks with the newest Intel<sup>®</sup> Core™2 Duo processors providing greater than twice the processor performance for multitasking<sup>3</sup>, improved video quality for lifelike effects for HD entertainment, and expanded wireless connectivity. Optional features such as Intel<sup>®</sup> Next-Gen Wireless-N technology providing up to 5x wireless performance increase<sup>4</sup> and Intel Turbo Memory for up to 2x faster performance when loading frequently used applications<sup>5</sup> allow you to offer even more to your customers.

### New Mitac\* Systems with Intel<sup>®</sup> Mobile Motherboards

The Mitac\* 8222T notebook system featuring the Intel<sup>®</sup> Mobile Board MGM965TW delivers valuable new capabilities for small- and medium-sized businesses. The system supports Intel<sup>®</sup> Centrino<sup>®</sup> Pro processor technology and Intel<sup>®</sup> Turbo Memory while merging the energy-efficient power of the Intel Core 2 Duo processor with enhanced manageability, data protection, and security capabilities.

The Mitac\* 8222J notebook system featuring the Intel<sup>®</sup> Mobile Board MGM965JB is designed to deliver stability, reliability, and expandability to consumer notebook users while offering support for Intel Centrino Duo processor technology with the Intel Core 2 Duo processor and Intel Turbo Memory.



# Verified by Intel® Program Approved Common Building Blocks

Imagine a world where notebook ingredients are interchangeable across notebook platforms. The Common Building Block (CBB) program helps enable this by ensuring ingredients are developed and tested according to a common set of specifications. These ingredients are known as common building blocks.

As a part of the Verified by Intel program, Intel and participating ODMs have tested a collection of common building block ingredients to help ensure resellers have a higher level of interchangeability confidence. The common building blocks that have passed this interchangeability testing are known as Verified by Intel approved common building blocks.

The list below shows the Verified by Intel approved common building block suppliers and their range of available ingredients within the Verified by Intel® program. For a detailed list of these Verified by Intel approved common building blocks ingredients and barebone notebooks supporting interchangeability, please go to [www.intel.com/go/VerifiedByIntel](http://www.intel.com/go/VerifiedByIntel).

Note: Customizable Notebook Panel (CNP) is no longer a common building block, but is considered to be an optional barebone feature.



	HDD	ODD	LCD	Battery Pack	Power Adapter	Keyboard
<b>Suppliers</b>	Fujitsu* Hitachi* Seagate*	LiteOn* Panasonic* QSI* TSST*	AUO* CMO* CPT*	Celxpert* Dynapack* Simplo*	Delta* Li-Shin* LiteOn*	Chicony* Darfon* Sunrex*
<b>Product Types</b>	2.5" form factor SATA 5400 RPM 60-160GB	12.7mm form factor Combo Super Multi	13.1"W 14.1"W 15.4"W WXGA, WXGA+	6-cell with 2400/2600mAh	65W 75W 90W	300mm wide full size KB  US/UK, Japan key layouts support up to 32 languages
<b>Benefit</b>	Upgrade storage capacity	Choice of ODDs for sell-up	Upgrade to higher resolution	Keep several handy for instant power and extended mobility	Keep multiple adapters for home, office, and travel	Pick the right keyboard for your local market

ODM	ASUSTeK*	ASUSTeK	ASUSTeK	ASUSTeK	ASUSTeK
<b>Model Number</b>	S37E <sup>8</sup>	S37S <sup>9</sup>	S62E	S96S	S96S
<b>Product Code</b>	AS37E965GM1	AS37S965PM2	AS62E965GM1	AS96S965PM1	AS96S965PM2
<b>Processor Support</b>	Intel® Core™2 Duo (Socket-P) Intel® Celeron® Mobile Processor (Socket-P)	Intel® Core™2 Duo (Socket-P) Intel® Celeron® Mobile Processor (Socket-P)	Intel® Core™2 Duo (Socket-P) Intel® Celeron® Mobile Processor (Socket-P)	Intel® Core™2 Duo (Socket-P) Intel® Celeron® Mobile Processor (Socket-P)	Intel® Core™2 Duo (Socket-P) Intel® Celeron® Mobile Processor (Socket-P)
<b>Supported FSB</b>	800/533MHz	800/533MHz	800/533MHz	800/533MHz	800/533MHz
<b>Chipset</b>	Intel® GM965 and ICH8M	Intel® PM965 and ICH8M	Intel® GM965 and ICH8M	Intel® PM965 and ICH8M	Intel® PM965 and ICH8M
<b>Memory Support</b>	DDR2 667/533 SODIMM	DDR2 667/533 SODIMM	DDR2 667/533 SODIMM	DDR2 667/533 SODIMM	DDR2 667/533 SODIMM
<b>Max Memory</b>	4GB <sup>9</sup> (2 x SODIMM Sockets)	4GB <sup>9</sup> (2 x SODIMM Sockets)	4GB <sup>9</sup> (2 x SODIMM Sockets)	4GB <sup>9</sup> (2 x SODIMM Sockets)	4GB <sup>9</sup> (2 x SODIMM Sockets)
<b>Graphics</b>	Intel® Graphics Media Accelerator X3100	NVIDIA* GeForce* Go 8400M 256M	Intel® Graphics Media Accelerator X3100	NVIDIA* GeForce* Go 8600M GS 256M	NVIDIA* GeForce* Go 8600M GS 256M
<b>LCD Size/Resolution<sup>6</sup></b>	13.3" Wide (1280 x 800)	13.3" Wide (1280 x 800)	14.1" Wide (1280 x 800)	15.4" Wide (1280 x 800)	15.4" Wide (1280 x 800)
<b>LCD Type</b>	Glare	Glare	Glare	Glare	Glare
<b>Mini-Card Slots</b>	2	2	1	1	1
<b>Intel® Turbo Memory Capable<sup>7</sup></b> (card not included)	Yes	Yes	Yes (1 Mini-Card Slot) <sup>12</sup>	Yes (1 Mini-Card Slot) <sup>12</sup>	Yes (1 Mini-Card Slot) <sup>12</sup>
<b>Audio</b>	Intel® High Definition Audio	Intel® High Definition Audio	Intel® High Definition Audio	Intel® High Definition Audio	Intel® High Definition Audio
<b>LAN</b>	10/100/1000	10/100/1000	10/100/1000	10/100/1000	10/100/1000
<b>Wireless Support</b> (card not included)	802.11a/g/n support via Intel® 4965AGN mini-card	802.11a/g/n support via Intel® 4965AGN mini-card	802.11a/g/n support via Intel® 4965AGN mini-card	802.11a/g/n support via Intel® 4965AGN mini-card	802.11a/g/n support via Intel® 4965AGN mini-card
<b>Express Card Support</b>	Yes (1)	Yes (1)	Yes (1)	Yes (1)	Yes (1)
<b>PCMCIA Support</b>	No	No	No	No	No
<b>Integrated Camera</b>	Yes (2MPixel)	Yes (2MPixel)	Yes (1.3MPixel)	Yes (2MPixel)	Yes (2MPixel)
<b>Bluetooth*</b>	Yes (module included)	Yes (module included)	No	No	Yes (module included)
<b>IEEE 1394</b>	Yes	Yes	Yes	Yes	Yes
<b>HDD Support<sup>6</sup></b>	SATA	SATA	SATA	SATA	SATA
<b>Optical Disk Drive<sup>6</sup></b>	See Footnote <sup>10</sup>	See Footnote <sup>10</sup>	See Footnote <sup>10</sup>	See Footnote <sup>10</sup>	See Footnote <sup>10</sup>
<b>Memory Card Reader</b>	3-in-1 <sup>11</sup>	3-in-1 <sup>11</sup>	3-in-1 <sup>11</sup>	3-in-1 <sup>11</sup>	3-in-1 <sup>11</sup>
<b>Battery Capacity<sup>6</sup></b>	53Whr (6-cell)	53Whr (6-cell)	53Whr (6-cell)	53Whr (6-cell)	53Whr (6-cell)
<b>AC Power Brick<sup>6</sup></b>	65W	90W	65W	90W	90W
<b>Trusted Platform Module</b>	No	No	No	No	No
<b>Fingerprint Reader</b>	No	No	No	No	No
<b>Weight</b>	1.95kg	1.95kg	2.7kg	2.9kg	2.9kg
<b>RoHS Compliant</b>	Yes	Yes	Yes	Yes	Yes
<b>CNP</b>	No	No	No	No	No
<b>Port Replicator Interface</b>	No	No	Yes	No	No
<b>Intel® AMT/ Intel® Centrino® Pro</b>	No	No	No	No	No

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ODM	Compal*	Compal	Compal	Compal	Compal	Compal
<b>Model Number</b>	IFT00	IFT01	IFL90	IFL90	IFL91	IFL91
<b>Product Code</b>	CFT00965PM1	CFT01965GM1	CFL90965PM1	CFL90965PM2	CFL91965GM1	CFL91965GM2
<b>Processor Support</b>	Intel® Core™2 Duo (Socket-P) Intel® Celeron® Mobile Processor (Socket-P)	Intel® Core™2 Duo (Socket-P) Intel® Celeron® Mobile Processor (Socket-P)	Intel® Core™2 Duo (Socket-P) Intel® Celeron® Mobile Processor (Socket-P)	Intel® Core™2 Duo (Socket-P) Intel® Celeron® Mobile Processor (Socket-P)	Intel® Core™2 Duo (Socket-P) Intel® Celeron® Mobile Processor (Socket-P)	Intel® Core™2 Duo (Socket-P) Intel® Celeron® Mobile Processor (Socket-P)
<b>Supported FSB</b>	800/533MHz	800/533MHz	800/533MHz	800/533MHz	800/533MHz	800/533MHz
<b>Chipset</b>	Intel® PM965 and ICH8M	Intel® GM965 and ICH8M	Intel® PM965 and ICH8M	Intel® PM965 and ICH8M	Intel® GM965 and ICH8M	Intel® GM965 and ICH8M
<b>Memory Support</b>	DDR2 667/533 SODIMM	DDR2 667/533 SODIMM	DDR2 667/533 SODIMM	DDR2 667/533 SODIMM	DDR2 667/533 SODIMM	DDR2 667/533 SODIMM
<b>Max Memory</b>	4GB <sup>9</sup> (2 x SODIMM Sockets)	4GB <sup>9</sup> (2 x SODIMM Sockets)	4GB <sup>9</sup> (2 x SODIMM Sockets)	4GB <sup>9</sup> (2 x SODIMM Sockets)	4GB <sup>9</sup> (2 x SODIMM Sockets)	4GB <sup>9</sup> (2 x SODIMM Sockets)
<b>Graphics</b>	NVIDIA® GeForce® Go 8400M GS 256M	Intel® Graphics Media Accelerator X3100	NVIDIA® GeForce® Go 8600M GS 256M	NVIDIA® GeForce® Go 8600M GS 512M	Intel® Graphics Media Accelerator X3100	Intel® Graphics Media Accelerator X3100
<b>LCD Size/Resolution<sup>6</sup></b>	14.1" Wide (1280 x 800)	14.1" Wide (1280 x 800)	15.4" Wide (1280 x 800)	15.4" Wide (1440 x 900)	15.4" Wide (1280 x 800)	15.4" Wide (1280 x 800)
<b>LCD Type</b>	Glare	Glare	Glare	Glare	Glare	Glare
<b>Mini-Card Slots</b>	2	2	3	3	3	3
<b>Intel® Turbo Memory Capable<sup>7</sup></b> (card not included)	Yes	Yes	Yes	Yes	Yes	Yes
<b>Audio</b>	Intel® High Definition Audio	Intel® High Definition Audio	Intel® High Definition Audio	Intel® High Definition Audio	Intel® High Definition Audio	Intel® High Definition Audio
<b>LAN</b>	10/100/1000	10/100	10/100/1000	10/100/1000	10/100	10/100
<b>Wireless Support</b> (card not included)	802.11a/g/n support via Intel® 4965AGN mini-card	802.11a/g/n support via Intel® 4965AGN mini-card	802.11a/g/n support via Intel® 4965AGN mini-card	802.11a/g/n support via Intel® 4965AGN mini-card	802.11a/g/n support via Intel® 4965AGN mini-card	802.11a/g/n support via Intel® 4965AGN mini-card
<b>Express Card Support</b>	Yes	Yes	Yes	Yes	Yes	Yes
<b>PCMCIA Support</b>	No	No	No	No	No	No
<b>Integrated Camera</b>	Yes (2MPixel)	Yes (2MPixel)	Yes (2MPixel)	Yes (2MPixel)	No	Yes (2MPixel)
<b>Bluetooth*</b>	Yes (module optional)	Yes (module optional)	Yes (module optional)	Yes (module optional)	Yes (module optional)	Yes (module optional)
<b>IEEE 1394</b>	Yes	Yes	Yes	Yes	Yes	Yes
<b>HDD Support<sup>6</sup></b>	SATA	SATA	SATA	SATA	SATA	SATA
<b>Optical Disk Drive<sup>6</sup></b>	See Footnote <sup>10</sup>	See Footnote <sup>10</sup>	See Footnote <sup>10</sup>	See Footnote <sup>10</sup>	See Footnote <sup>10</sup>	See Footnote <sup>10</sup>
<b>Memory Card Reader</b>	3-in-1 <sup>11</sup>	3-in-1 <sup>11</sup>	3-in-1 <sup>11</sup>	3-in-1 <sup>11</sup>	3-in-1 <sup>11</sup>	3-in-1 <sup>11</sup>
<b>Battery Capacity<sup>6</sup></b>	53Whr (6-cell)	53Whr (6-cell)	53Whr (6-cell)	53Whr (6-cell)	53Whr (6-cell)	53Whr (6-cell)
<b>AC Power Brick<sup>6</sup></b>	90W	65W	90W	90W	75W	75W
<b>Trusted Platform Module</b>	No	No	No	Yes	No	No
<b>Fingerprint Reader</b>	Yes	No	No	Yes	No	No
<b>Weight</b>	2.5kg	2.4kg	2.8kg	2.8kg	2.7kg	2.7kg
<b>RoHS Compliant</b>	Yes	Yes	Yes	Yes	Yes	Yes
<b>CNP</b>	Yes	Yes	Yes	Yes	Yes	Yes
<b>Port Replicator Interface</b>	No	No	No	No	No	No
<b>Intel® AMT/ Intel® Centrino® Pro</b>	No	No	No	No	No	No

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ODM	Mitac*	Mitac	Quanta*	Quanta	Quanta
<b>Model Number</b>	8222J	8222T	SW7	TW7PM	TW7GM
<b>Product Code</b>	M8222J965GM1	M8222T965GM1	1SW7000002 QSW7965GM1	1TW70000019 QTW7A965PM1	1TW70000022 QTW7M965GM1
<b>Processor Support</b>	Intel® Core™2 Duo (Socket-P) Intel® Celeron® Mobile Processor (Socket-P)	Intel® Core™2 Duo (Socket-P) Intel® Celeron® Mobile Processor (Socket-P)	Intel® Core™2 Duo (Socket-P) Intel® Celeron® Mobile Processor (Socket-P)	Intel® Core™2 Duo (Socket-P) Intel® Celeron® Mobile Processor (Socket-P)	Intel® Core™2 Duo (Socket-P) Intel® Celeron® Mobile Processor (Socket-P)
<b>Supported FSB</b>	800/533MHz	800/533MHz	800/533MHz	800/533MHz	800/533MHz
<b>Chipset</b>	Intel® GM965 and ICH8M	Intel® GM965 and ICH8M	Intel® GM965 and ICH8M	Intel® PM965 and ICH8M	Intel® GM965 and ICH8M
<b>Memory Support</b>	DDR2 667/533 SODIMM	DDR2 667/533 SODIMM	DDR2 667/533 SODIMM	DDR2 667/533 SODIMM	DDR2 667/533 SODIMM
<b>Max Memory</b>	4GB <sup>9</sup> (2 x SODIMM Sockets)	4GB <sup>9</sup> (2 x SODIMM Sockets)	4GB <sup>9</sup> (2 x SODIMM Sockets)	4GB <sup>9</sup> (2 x SODIMM Sockets)	4GB <sup>9</sup> (2 x SODIMM Sockets)
<b>Graphics</b>	Intel® Graphics Media Accelerator X3100	Intel® Graphics Media Accelerator X3100	Intel® Graphics Media Accelerator X3100	NVIDIA® GeForce® Go 8400M GS 256M	Intel® Graphics Media Accelerator X3100
<b>LCD Size/Resolution<sup>6</sup></b>	15.4" Wide (1280 x 800)	15.4" Wide (1280 x 800)	14.1" Wide (1280 x 800)	15.4" Wide (1280 x 800)	15.4" Wide (1280 x 800)
<b>LCD Type</b>	Glare	Glare	Glare	Glare	Glare
<b>Mini-Card Slots</b>	2	2	1	2	2
<b>Intel® Turbo Memory Capable<sup>7</sup></b> (card not included)	Yes	Yes	Yes (1 Mini-Card Slot) <sup>12</sup>	Yes	Yes
<b>Audio</b>	Intel® High Definition Audio	Intel® High Definition Audio	Intel® High Definition Audio	Intel® High Definition Audio	Intel® High Definition Audio
<b>LAN</b>	10/100/1000 - Intel® Gigabit LAN	10/100/1000 - Intel® Gigabit LAN	10/100/1000	10/100/1000	10/100/1000
<b>Wireless Support</b> (card not included)	802.11a/g/n support via Intel® 4965AGN mini-card	802.11a/g/n support via Intel® 4965AGN mini-card	802.11a/g/n support via Intel® 4965AGN mini-card	802.11a/g/n support via Intel® 4965AGN mini-card	802.11a/g/n support via Intel® 4965AGN mini-card
<b>Express Card Support</b>	Yes	Yes	Yes	Yes	Yes
<b>PCMCIA Support</b>	No	No	No	No	No
<b>Integrated Camera</b>	Yes (1.3MPixel)	Yes (1.3MPixel)	Yes (1.3MPixel)	Yes (1.3MPixel)	Yes (1.3MPixel)
<b>Bluetooth*</b>	Yes (module optional)	Yes (module optional)	No	Yes (module optional)	No
<b>IEEE 1394</b>	Yes	No	Yes	Yes	Yes
<b>HDD Support<sup>6</sup></b>	SATA	SATA	SATA	SATA	SATA
<b>Optical Disk Drive<sup>6</sup></b>	See Footnote <sup>10</sup>	See Footnote <sup>10</sup>	See Footnote <sup>10</sup>	See Footnote <sup>10</sup>	See Footnote <sup>10</sup>
<b>Memory Card Reader</b>	3-in-1 <sup>11</sup>	3-in-1 <sup>11</sup>	3-in-1 <sup>11</sup>	3-in-1 <sup>11</sup>	3-in-1 <sup>11</sup>
<b>Battery Capacity<sup>6</sup></b>	53Whr (6-cell)	53Whr (6-cell)	53Whr (6-cell)	53Whr (6-cell)	53Whr (6-cell)
<b>AC Power Brick<sup>6</sup></b>	90W	90W	65W	90W	65W
<b>Trusted Platform Module</b>	No	Yes (1.2)	No	No	No
<b>Fingerprint Reader</b>	No	Yes	No	No	No
<b>Weight</b>	2.8kg	2.8kg	2.44kg	2.7kg	2.7kg
<b>RoHS Compliant</b>	Yes	Yes	Yes	Yes	Yes
<b>CNP</b>	No	No	Yes	Yes	Yes
<b>Port Replicator Interface</b>	No	Yes	No	Yes	No
<b>Intel® AMT/ Intel® Centrino® Pro</b>	No	Yes	No	No	No

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**ASUSTeK\* S37E**  
(Product code: AS37E965GM1)



**ASUSTeK S37S**  
(Product code: AS37S965PM2)



**ASUSTeK S62E**  
(Product code: AS62E965GM1)



**ASUSTeK S96S**  
(Product code: AS96S965PM1/AS96S965PM2)



**Compal\* IFT00**  
(Product code: CFT00965PM1)



**Compal IFT01**  
(Product code: CFT01965GM1)



**Compal IFL90**  
(Product code: CFL90965PM1/CFL90965PM2)



**Compal IF91**  
(Product code: CFL91965GM1/CFL91965GM2)



**Mitac\* 8222J**  
(Product code: M8222J965GM1)



**Mitac 8222T**  
(Product code: M8222T965GM1)



**Quanta\* SW7**  
(Product code: 1Sw70000002/QSW7965GM1)



**Quanta TW7PM**  
(Product code: 1Tw70000019/QTW7A965PM1)



**Quanta TW7GM**  
(Product code: 1Tw70000022/QTW7M965GM1)

**For more information, visit the Intel Web site at:**  
[www.intel.com/go/VerifiedByIntel](http://www.intel.com/go/VerifiedByIntel) (for North America) or  
[www.intel.com/reseller/eng/VerifiedByIntel/](http://www.intel.com/reseller/eng/VerifiedByIntel/) (for Europe)

<sup>1</sup> Intel has verified the design of certain barebones notebooks for the interchangeability of several common components. For a list of these barebones notebooks, and the common components, visit us at <http://www.intel.com/go/VerifiedByIntel>. The vendors of the barebones notebooks and the interchangeable components are responsible for the design, manufacture, and function of their products, including any product infringement liability and warranty. Intel is not warranting the barebones notebooks or common components.

<sup>2</sup> Barebones notebook does not include: CPU, hard disk drive, memory, or wireless card.

<sup>3</sup> As measured by SPEC<sup>®</sup>CPU2006 comparing latest generation Intel<sup>®</sup> Core<sup>™</sup>2 Duo Processor T7700 and T7100 with a comparable frequency single-core Intel<sup>®</sup> Pentium<sup>®</sup> M Processor. Actual performance may vary. See <http://www.intel.com/performance/mobile/benchmarks.htm> for important additional information. SPEC, SPECint, SPECfp, SPECrate, SPECweb, SPECjbb are trademarks of the Standard Performance Evaluation Corporation. See: <http://www.spec.org> for more information on the benchmarks.

<sup>4</sup> Up to 2x greater range and up to 5x better performance and improved battery life with optional Intel<sup>®</sup> Next-Gen Wireless N technology enabled by 2x3 Draft N implementations with 2 spatial streams. Actual results may vary based on your specific hardware, connection rate, site conditions, and software configurations. See <http://www.intel.com/performance/mobile/wireless/index.htm> for more information. Also requires a Connect with Intel<sup>®</sup> Centrino<sup>®</sup> processor technology certified wireless n access point. Wireless n access points without the Connect with Intel Centrino processor technology identifier may require additional firmware for increased performance results. Check with your PC and access point manufacturer for details.

<sup>5</sup> Tests run on customer reference boards and preproduction latest generation Intel<sup>®</sup> Centrino<sup>®</sup> processor technology with optional Intel<sup>®</sup> Turbo Memory (ITM)<sup>®</sup> enabled against like systems without Intel Turbo Memory. Results may vary based on hardware, software, and overall system configuration. All tests and ratings reflect the approximate performance of Intel products as measured by those tests. All testing was done on Microsoft<sup>®</sup> Vista<sup>®</sup> Ultimate (build 6000). Application load and runtime acceleration depend on Vista's preference to pre-load those applications into the Microsoft<sup>®</sup> ReadyBoost<sup>™</sup> cache. See [http://www.intel.com/performance/mobile/Intel\\_Turbo\\_Memory.htm](http://www.intel.com/performance/mobile/Intel_Turbo_Memory.htm) for more information.

<sup>6</sup> This component is a common building block part.

<sup>7</sup> Intel<sup>®</sup> Turbo Memory (ITM) supports Windows Vista<sup>®</sup> 32-bit Edition and Windows Vista<sup>®</sup> 64-bit Edition; ITM does not support Windows XP<sup>®</sup> operating systems.

<sup>8</sup> Battery and keyboard included in this SKU are not common building blocks.

<sup>9</sup> When using a 32-bit operating system, resources (such as PCI and PCI<sup>®</sup> Express) require physical memory address locations that reduce available memory addresses above 3GB. This may result in less than 4GB of memory being available to the operating system and applications when populating 2 x 2GB [total of 4GB].

<sup>10</sup> Specify ODD type at time of order from your Intel<sup>®</sup> Authorized Distributor. ODD's currently available are CD-RW/DVD Combo, DVD SuperMulti, and DVD+/-RW.

<sup>11</sup> 3-in-1 Card readers support Multimedia Card (MMC), Memory Stick, Memory Stick Pro, and Secure Digital (SD).

<sup>12</sup> With one mini-card slot, distributor will need to make a trade-off between Intel<sup>®</sup> Turbo Memory and Wireless.

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Part number: 312004-005US May 2007

