



## Intel® System Controller Hub US15WP Chipset (Intel® SCH US15WP)

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### Specifications

#### Essentials

Status	Launched
Launch Date	Q1'09
Supported FSBs	400MHz / 533MHz
FSB Parity	No
Embedded Options Available	Yes
Lithography	130 nm
Max TDP	2.3 W
Recommended Customer Price	T&R : \$27.00

#### Memory Specifications

Max Memory Size (dependent on memory type)	2 GB
Memory Types	DDR2-400 / DDR2-533
# of Memory Channels	1
Physical Address Extensions	32-bit
ECC Memory Supported	No

#### Graphics Specifications

Integrated Graphics	Yes
Graphics Output	LVDS, SDVO
Dual Display Capable	Yes
Macrovision* License Required	No

#### Expansion Options

PCI Support	None
PCI Express Revision	1.1
PCI Express Configurations	2x1
# of PCI Express Lanes	2

#### I/O Specifications

USB Revision	USB 2.0
# of USB Ports	8
Total # of SATA Ports	0
Integrated LAN	None
Integrated IDE	Yes

#### Package Specifications

Max CPU Configuration	1
T <sub>CASE</sub>	85°C
Package Size	37.5mm x 37.5mm
Low Halogen Options Available	See MDDS

#### Advanced Technologies

Intel® Trusted Execution Technology	No
Intel® Active Management Technology	No
Intel® Quick Resume Technology	No
Intel® Quiet System Technology	No
Intel® HD Audio Technology	Yes
Intel® AC97 Technology	No
Intel® Matrix Storage Technology	No

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### PCN/MDDS Information

SLGQA  
901752: [PCN](#) | [MDDS](#)

\*“Announced” SKUs are not yet available. Please refer to the Launch Date for market availability.

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Intel processor numbers are not a measure of performance. Processor numbers differentiate features within each processor family, not across different processor families. See <http://www.intel.com/content/www/us/en/processors/processor-numbers.html> for details.

Hyper-Threading Technology (HT Technology) requires a computer system with an Intel® processor supporting HT Technology and an HT Technology enabled chipset, BIOS and operating system. Performance will vary depending on the specific hardware and software you use. See <http://www.intel.com/content/www/us/en/architecture-and-technology/hyper-threading/hyper-threading-technology.html?wapkw=hyper+threading> for more information including details on which processors support HT Technology.

64-bit computing on Intel® architecture requires a computer system with a processor, chipset, BIOS, operating system, device drivers and applications enabled for Intel® 64 architecture. Processors will not operate (including 32-bit operation) without an Intel 64 architecture-enabled BIOS. Performance will vary depending on your hardware and software configurations. Consult with your system vendor for more information.

Max Turbo Frequency refers to the maximum single-core frequency that can be achieved with Intel® Turbo Boost Technology, which requires a PC with a processor with Intel Turbo Boost Technology capability. Intel Turbo Boost Technology performance varies depending on hardware, software, and overall system configuration. Check with your PC manufacturer on whether your system delivers Intel Turbo Boost Technology. See [www.intel.com/technology/turboboost/](http://www.intel.com/technology/turboboost/) for more information.

Graphics output, multiple displays, ECC memory, specific PCI Express configurations, Intel® vPro™ Technology, Intel® Trusted Execution Technology, and Intel® Virtualization Technology for Directed I/O (VT-d) may not be available on all computing systems. Please reference the system, motherboard or chipset specifications for compatibility.

Enabling Execute Disable Bit functionality requires a PC with a processor with Execute Disable Bit capability and a supporting operating system. Check with your PC manufacturer on whether your system delivers Execute Disable Bit functionality.

Intel® Virtualization Technology requires a computer system with a processor, chipset, BIOS, virtual machine monitor (VMM) and for some uses, certain platform software, enabled for it. Functionality, performance or other benefit will vary depending on hardware and software configurations. Intel Virtualization Technology-enabled VMM applications are currently in development.

System and Maximum TDP is based on worst case scenarios. Actual TDP may be lower if not all I/Os for chipsets are used.

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Low Halogen: Applies only to brominated and chlorinated flame retardants (BFRs/CFRs) and PVC in the final product. Intel components as well as purchased components on the finished assembly meet JS-709 requirements, and the PCB / substrate meet IEC 61249-2-21 requirements. The replacement of halogenated flame retardants and/or PVC may not be better for the environment.

Some products can support AES New Instructions with a Processor Configuration update, in particular, i7-2630QM/i7-2635QM, i7-2670QM/i7-2675QM, i5-2430M/i5-2435M, i5-2410M/i5-2415M. Please contact OEM for the BIOS that includes the latest Processor configuration update.