



Intel® Core™2 Duo Processor P8400 (3M Cache, 2.26 GHz, 1066 MHz FSB)

SPECIFICATIONS

Essentials

Status	Launched
Launch Date	Q3'08
Processor Number	P8400
# of Cores	2
Clock Speed	2.26 GHz
L2 Cache	3 MB
FSB Speed	1066 MHz
FSB Parity	No
Instruction Set	64-bit
Embedded Options Available	<input type="checkbox"/> Yes
Lithography	45 nm
Max TDP	25 W
VID Voltage Range	1.050V-1.150V
Recommended Customer Price	TRAY: \$203.00 BOX : \$211.00

Package Specifications

T _{JUNCTION}	105°C
Package Size	35 mm x 35mm
Processing Die Size	107 mm ²
# of Processing Die Transistors	410 million
Sockets Supported	BGA479, PGA478
Low Halogen Options Available	See MDDS

Advanced Technologies

Intel® Turbo Boost Technology ‡	No
Intel® Hyper-Threading Technology ‡	<input type="checkbox"/> No
Intel® Virtualization Technology (VT-x) ‡	<input checked="" type="checkbox"/> Yes
Intel® 64 ‡	<input checked="" type="checkbox"/> Yes
Idle States	Yes
Enhanced Intel SpeedStep® Technology	<input checked="" type="checkbox"/> Yes
Intel® Demand Based Switching	<input type="checkbox"/> No

Intel® Platform Protection Technology

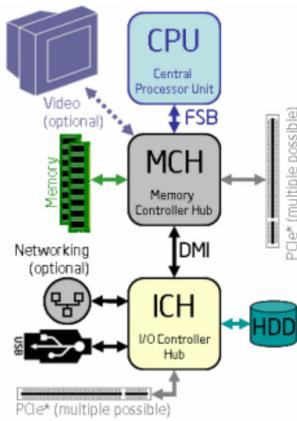
Trusted Execution Technology ‡	<input checked="" type="checkbox"/> Yes
Execute Disable Bit ‡	Yes

COMPATIBLE PRODUCTS

Compatible Chipsets

Mobile Intel® GM45 Express Chipset
Mobile Intel® PM45 Express Chipset

PRODUCT IMAGES



ORDERING AND SPEC INFORMATION

Trade Compliance Information

ECCN	CCATS	US HTS
3A991.A.1	NA	8542310000-HYBRD

Ordering and Spec Information

Spec Code	Ordering Code	Step	RCP	Socket
Intel® Core™2 Duo Processor P8400 (3M Cache, 2.26 GHz, 1066 MHz FSB) uFCBGA8, Tray				
SLGE2	AV80577SH0513M	R0	\$203.00	BGA479
Intel® Core™2 Duo Processor P8400 (3M Cache, 2.26 GHz, 1066 MHz FSB) uFCPGA8, Tray				
SLGFC	AW80577SH0513M	R0	\$203.00	PGA478

Retired and Discontinued

Spec Code	Ordering Code	Step	RCP	Socket
Boxed Intel® Core™2 Duo Processor P8400 (3M Cache, 2.26 GHz, 1066 MHz FSB) uFCPGA8				
SLB3R	BX80577P8400	M0	\$211.00	PGA478
Intel® Core™2 Duo Processor P8400 (3M Cache, 2.26 GHz, 1066 MHz FSB) uFCBGA8, Tray				
SLB4M	AV80577SH0513M	M0	N/A	BGA479
SL3BU	AV80576SH0513M	C0	N/A	BGA479
Intel® Core™2 Duo Processor P8400 (3M Cache, 2.26 GHz, 1066 MHz FSB) uFCPGA8, Tray				
SLB3R	AW80577SH0513M	M0	N/A	PGA478
SLB3Q	AW80577SH0513MN	M0	N/A	PGA478
SLB52	AW80577SH0513MN	M0	N/A	PGA478
SLG8Z	AW80577SH0513M	M0	N/A	PGA478
SLGCC	AW80577SH0513M	R0	N/A	PGA478
SLGCQ	AW80577SH0513M	R0	N/A	PGA478
SLGCF	AW80577SH0513M	R0	N/A	PGA478
SLGCL	AW80577SH0513M	R0	N/A	PGA478

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"Announced" SKUs are not yet available. Please refer to the Launch Date for market availability.

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.

For benchmarking data see <http://www.intel.com/performance>.

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

The Recommended Customer Price ("RCP") is pricing guidance for Intel products. Prices are for direct Intel customers and are subject to change without notice. Taxes and shipping, etc. not included. Prices may

vary for other package types and shipment quantities, and special promotional arrangements may apply. Listing of these RCP does not constitute a formal pricing offer from Intel. Please work with your appropriate Intel representative to obtain a formal price quotation.

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.

‡ This feature may not be available on all computing systems. Please check with the system vendor to determine if your system delivers this feature, or reference the system specifications (motherboard, processor, chipset, power supply, HDD, graphics controller, memory, BIOS, drivers, virtual machine monitor-VMM, platform software, and/or operating system) for feature compatibility. Functionality, performance, and other benefits of this feature may vary depending on system configuration.

Max Turbo Frequency refers to the maximum single-core processor frequency that can be achieved with Intel® Turbo Boost Technology. See www.intel.com/technology/turboboost/ for more information.

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 Intel® HT Technology.

Processors that support 64-bit computing on Intel® architecture require an Intel 64 architecture-enabled BIOS.

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