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i5-3610ME



Intel® Core™ i5-3610ME Processor (3M Cache, up to 3.30 GHz)

SPECIFICATIONS

[All](#)
[Essentials](#)
[Memory Specifications](#)
[Graphics Specifications](#)
[Expansion Options](#)
[Package Specifications](#)
[Advanced Technologies](#)
[ORDERING / SSPECS /
STEPPINGS](#)

Specifications

Essentials

Status	Launched
Launch Date	Q2'12
Processor Number	i5-3610ME
# of Cores	2
# of Threads	4
Clock Speed	2.7 GHz
Max Turbo Frequency	3.3 MHz
Intel® Smart Cache	3 MB
Bus/Core Ratio	27
DMI	5 GT/s
Instruction Set	64-bit
Instruction Set Extensions	AVX
Embedded Options Available	Yes
Lithography	22nm
Max TDP	35 W
Recommended Customer Price	TRAY: \$276
Description	ECC memory support only on BGA package

Memory Specifications

Max Memory Size (dependent on memory type)	32 GB
Memory Types	DDR3/DDR3L 1333/1600
# of Memory Channels	2
Max Memory Bandwidth	25.6 GB/s
ECC Memory Supported	Yes

Graphics Specifications

Processor Graphics	Intel® HD Graphics 4000
Graphics Base Frequency	650 MHz
Graphics Max Dynamic Frequency	950 MHz
Graphics Output	eDP/DP/HDMI/SDVO/CRT
Intel® Quick Sync Video	Yes
Intel® InTru™ 3D Technology	Yes
Intel® Insider™	No
Intel® Wireless Display	No
Intel® Flexible Display Interface (Intel® FDI)	Yes
Intel® Clear Video HD Technology	Yes
Intel® Clear Video Technology for MID	No

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PCN/MDDS INFORMATION

SR0QK
920313: [PCN](#) | [MDDS](#)

SR0QJ
920312: [PCN](#) | [MDDS](#)

Dual Display Capable	Yes
*Trademarks	
# of Displays Supported	 3
Expansion Options	
PCI Express Revision	3.0
PCI Express Configurations	 1x16 2x8 1x8 2x4
# of PCI Express Ports	1
Package Specifications	
Max CPU Configuration	1
T _{JUNCTION}	105°C
Package Size	37.5mmx 37.5mm PGA
Graphics and IMC Lithography	22nm
Sockets Supported	FCBGA1023, FCPGA988
Low Halogen Options Available	See MDDS
Advanced Technologies	
Intel® Turbo Boost Technology	2.0
Intel® vPro Technology	Yes
Intel® Hyper-Threading Technology	 Yes
Intel® Virtualization Technology (VT-x)	 Yes
Intel® Virtualization Technology for Directed I/O (VT-d)	 Yes
Intel® Trusted Execution Technology	 Yes
AES New Instructions	 Yes
Intel® 64	 Yes
Intel® Anti-Theft Technology	No
Intel® My WiFi Technology	Yes
4G WiMAX Wireless Technology	No
Idle States	Yes
Enhanced Intel SpeedStep® Technology	 Yes
Intel® Demand Based Switching	No
Thermal Monitoring Technologies	Yes
Intel® Fast Memory Access	Yes
Intel® Flex Memory Access	Yes
Execute Disable Bit	Yes
Intel® Virtualization Technology for Itanium (VT-i)	No
Intel® VT-x with Extended Page Tables (EPT)	Yes

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

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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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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.



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ORDERING AND SPEC INFORMATION

Ordering and Spec Information

Intel® Core™ i5-3610ME Processor (3M Cache, up to 3.30 GHz) FC-PGA12F, Tray

Socket	Step	Step TDP	Ordering Code	Spec Code	VT-x	ECCN	CCATS	US HTS	RCP
FCPGA988	L1	35 W	AW8063801115901	SR0QJ	Yes	5A992C	G077159	8542310000-HYBRD	\$276

Intel® Core™ i5-3610ME Processor (3M Cache, up to 3.30 GHz) FC-BGA12F, Tray

Socket	Step	Step TDP	Ordering Code	Spec Code	VT-x	ECCN	CCATS	US HTS	RCP
FCBGA1023	L1	35 W	AV8063801116102	SR0QK	Yes	5A992C	G077159	8542310000-HYBRD	\$276

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