



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	

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
Dual Display Capable	 Yes
# 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
TJUNCTION	105°C
Package Size	37.5mmx 37.5mm PGA

Graphics and IMC Lithography	22nm
Sockets Supported	FCBGA1023, FCPGA988

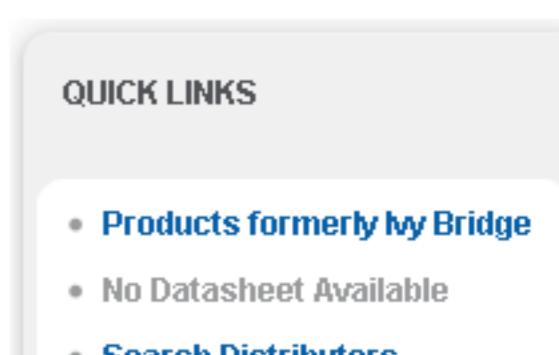
Low Halogen Options Available	See MDDs
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Advanced Technologies

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

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