



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

View Details

Specifications

Essentials
Performance
Memory Specifications
Graphics Specifications
Expansion Options
Package Specifications
Advanced Technologies
Intel® Data Protection Technology
Intel® Platform Protection Technology

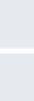
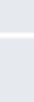
Compatible Products

Product Images

Ordering / Specs / Steppings

Specifications

Essentials

Status	Launched
Launch Date	Q2'12
Processor Number	i5-3610ME
Intel® Smart Cache	3 MB
DMI	5 GT/s
Instruction Set	64-bit
Instruction Set Extensions	AVX
Embedded Options Available	 Yes
Lithography	22 nm
Recommended Customer Price	TRAY: \$276.00
Description	ECC memory support only on BGA package
Conflict Free	 Yes
Datasheet	Link

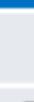
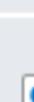
Performance

# of Cores	2
# of Threads	4
Processor Base Frequency	2.7 GHz
Max Turbo Frequency	3.3 GHz
TDP	35 W

Memory Specifications

Max Memory Size (dependent on memory type)	16 GB
Memory Types	DDR3/DDR3L 1333/1600
Max # of Memory Channels	2
Max Memory Bandwidth	25.6 GB/s
ECC Memory Supported *	 No

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	No
# of Displays Supported *	3

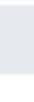
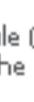
Expansion Options

PCI Express Revision	3.0
PCI Express Configurations *	1x16 2x8 1x8 2x4
Max # of PCI Express Lanes	1

Package Specifications

Max CPU Configuration	1
Junction	105°C
Package Size	37.5mmx 37.5mm PGA
Graphics and IMC Lithography	22nm
Sockets Supported	FCBGA1023, FCQPA988
Low Halogen Options Available	See MDDDS

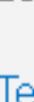
Advanced Technologies

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® VT-x with Extended Page Tables (EPT) *	 Yes
Intel® 64 *	 Yes
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
Intel® Virtualization Technology for Itanium (VT-i)	No
Intel® Identity Protection Technology *	 Yes

Intel® Data Protection Technology

AES New Instructions	 Yes
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Intel® Platform Protection Technology

Trusted Execution Technology *	 Yes
Execute Disable Bit *	 Yes
Anti-Theft Technology	No

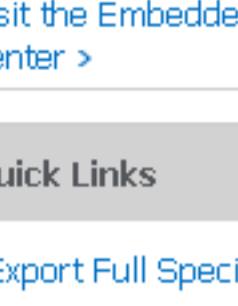
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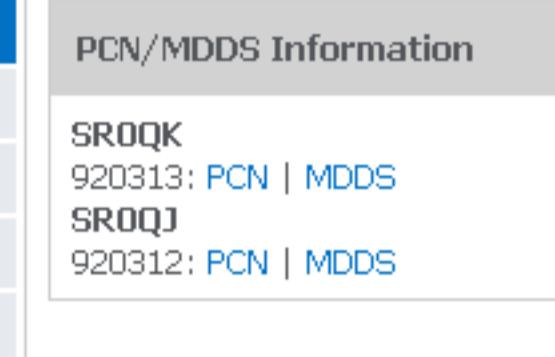
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Intel® Core™ i5-3600 Mobile Processor Series

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