![Intel logo]

| Compare Queue (0) | ☐ Send Feedback | English | ▼ | Type Here to Search Produc |

Intel® Core™ i3-2350M Processor (3M Cache, 2.30 GHz)

SPECIFICATIONS

All

Essentials

Memory Specifications

Graphics Specifications

Expansion Options

Package Specifications

Advanced Technologies

COMPATIBLE PRODUCTS

BLOCK DIAGRAMS

ORDERING / SSPECS / STEPPINGS

Specifications

Essentials

Status	Launched
Launch Date	Q4'11
Processor Number	i3-2350M
# of Cores	2
# of Threads	4
Clock Speed	2.3 GHz
Intel® Smart Cache	3 MB
Bus/Core Ratio	23
DMI	5 GT/s
Instruction Set	64-bit
Instruction Set Extensions	AVX
Embedded Options Available 🔍	No
Lithography	32 nm
Max TDP	35 W
Recommended Customer Price	$225

Memory Specifications

Max Memory Size (dependent on memory type)	16 GB
Memory Types	DDR3-1066/1333
# of Memory Channels	2
Max Memory Bandwidth	21.3 GB/s
ECC Memory Supported ⚠	No

Graphics Specifications

Processor Graphics ⚠	Intel® HD Graphics 3000
Graphics Base Frequency	650 MHz
Graphics Max Dynamic Frequency	1.15 GHz
Graphics Output	eDP/DP/HDMI/SDVO/CRT
Intel® Quick Sync Video	Yes
Intel® InTru™ 3D Technology	Yes
Intel® Insider™	Yes
Intel® Wireless Display	Yes
Intel® Flexible Display Interface (Intel® FDI)	Yes

COMPARE PR

- **Add to Com**
- **Compare N**

QUICK LINKS

- **Products fo** **Bridge**
- **Download I**

ADDITIONAL I

SEARCH DISTR

FF80627009
Buy From: Arro

PCN/MDDS INF

Intel® Clear Video HD Technology	Yes
Dual Display Capable	Yes
Macrovision* License Required	No

Expansion Options

PCI Express Revision	2.0
PCI Express Configurations	⚠ 1x16, 2x8, 1x8 2x4
# of PCI Express Ports	1

Package Specifications

Max CPU Configuration	1
$T_{JUNCTION}$	85C (PGA); 100C (BGA)
Package Size	37.5mm x 37.5mm (rPGA988B); 31mm x 24mm (BGA1023)
Graphics and IMC Lithography	32 nm
Sockets Supported	PPGA988
Low Halogen Options Available	See MDDS

Advanced Technologies

Intel® Turbo Boost Technology	No
Intel® vPro Technology	No
Intel® Hyper-Threading Technology 🔎	Yes
Intel® Virtualization Technology (VT-x) 🔎	Yes
Intel® Virtualization Technology for Directed I/O (VT-d) 🔎	No
Intel® Trusted Execution Technology 🔎	No
AES New Instructions 🔎	No
Intel® 64 🔎	Yes
Intel® Anti-Theft Technology	Yes
Intel® My WiFi Technology	Yes
4G WiMAX Wireless Technology	Yes
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

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

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 shipp 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 off work with your appropriate Intel representative to obtain a formal price quotation.

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 manufactu

system delivers Execute Disable Bit functionality.

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 arc will not operate (including 32-bit operation) without an Intel 64 architecture-enabled BIOS. Performance will vary depending on your hardware and software configurations. Cor vendor for more information.

Hyper-Threading Technology (HT Technology) requires a computer system with an Intel® processor supporting HT Technology and an HT Technology enabled chipset, BIOS ar Performance will vary depending on the specific hardware and software you use. See www.intel.com/products/ht/hyperthreading_more.htm for more information including det processors support HT Technology.

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

Intel processor numbers are not a measure of performance. Processor numbers differentiate features within each processor family, not across different processor families. Se http://www.intel.com/products/processor_number for details.

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

All information provided is subject to change at any time, without notice. Intel may make changes to manufacturing life cycle, specifications, and product descriptions at any time information herein is provided "as-is" and Intel does not make any representations or warranties whatsoever regarding accuracy of the information, nor on the product features functionality, or compatibility of the products listed. Please contact system vendor for more information on specific products or systems.

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 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 enviro

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 capability. Intel Turbo Boost Technology performance varies depending on hardware, software, and overall system configuration. Check with your PC manufacturer on whethe Intel Turbo Boost Technology. See www.intel.com/technology/turboboost/ for more information.

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, i5-24 contact OEM for the BIOS that includes the latest Processor configuration update.

*Trademarks

©Intel
Corporation