

Intel Core i3-3240 specifications

General information

| | |
|---------------------------|---|
| Type | CPU / Microprocessor |
| Market segment | Desktop |
| Family | Intel Core i3 |
| Model number ? | i3-3240 |
| CPU part numbers | CM8063701137900 is an OEM/tray microprocessor CM8063701247800 is an OEM/tray microprocessor BX80637I33240 is a boxed processor with fan and heatsink (English version) BXC80637I33240 is a boxed processor with fan and heatsink (Chinese version) |
| Frequency ? | 3400 MHz |
| Bus speed ? | 5 GT/s DMI |
| Clock multiplier ? | 34 |
| Package | 1155-land Flip-Chip Land Grid Array |
| Socket | Socket 1155 / H2 / LGA1155 |
| Size | 1.48" x 1.48" / 3.75cm x 3.75cm |
| Introduction date | September 2, 2012 |
| End-of-Life date | Last order date is Jun 26, 2015 Last shipment date is Dec 04, 2015 |
| Price at introduction | \$138 (OEM) \$147 (box) |

S-spec numbers

| Part number | ES/QS processors | | Production processors |
|-----------------|----------------------|----------------------|-----------------------|
| | QC8J | QCFX | SR0RH |
| BX80637I33240 | | | + |
| BXC80637I33240 | | | + |
| CM8063701137900 | + | | + |
| CM8063701247800 | | + | |

Architecture / Microarchitecture

| | |
|------------------------------|---|
| Microarchitecture | Ivy Bridge |
| Processor core ? | Ivy Bridge |
| Core steppings ? | L1 (QC8J, SR0RH) P0 (QCFX) |
| Manufacturing process | 0.022 micron |
| Data width | 64 bit |
| The number of cores | 2 |
| The number of threads | 4 |
| Floating Point Unit | Integrated |
| Level 1 cache size ? | 2 x 32 KB instruction caches 2 x 32 KB data caches |
| Level 2 cache size ? | 2 x 256 KB |
| Level 3 cache size | 3 MB shared cache |

| | |
|--------------------|---|
| Physical memory | 32 GB |
| Multiprocessing | Uniprocessor |
| Features | <ul style="list-style-type: none"> ▪ MMX instructions ▪ SSE / Streaming SIMD Extensions ▪ SSE2 / Streaming SIMD Extensions 2 ▪ SSE3 / Streaming SIMD Extensions 3 ▪ SSSE3 / Supplemental Streaming SIMD Extensions 3 ▪ SSE4 / SSE4.1 + SSE4.2 / Streaming SIMD Extensions 4 ? ▪ AVX / Advanced Vector Extensions ▪ F16C / 16-bit Floating-Point conversion instructions ▪ EM64T / Extended Memory 64 technology / Intel 64 ? ▪ NX / XD / Execute disable bit ? ▪ HT / Hyper-Threading technology ? ▪ VT-x / Virtualization technology ? |
| Low power features | Enhanced SpeedStep technology ? |

Integrated peripherals / components

| | |
|---------------------|---|
| Integrated graphics | GPU Type: HD 2500 Base frequency (MHz): 650 Maximum frequency (MHz): 1050 The number of supported displays: 3 |
| Memory controller | The number of controllers: 1 Memory channels: 2 Supported memory: DDR3-1333, DDR3-1600 Maximum memory bandwidth (GB/s): 25.6 |
| Other peripherals | <ul style="list-style-type: none"> ▪ Direct Media Interface 2.0 ▪ PCI Express 2.0 interface |

Electrical / Thermal parameters

| | |
|---------------------------------|----------------|
| Maximum operating temperature ? | 65.3°C |
| Thermal Design Power ? | 55 Watt |

Notes on Intel Core i3-3240

- The processor has the following security, data protection and/or software features: Intel Identity Protection technology and Anti-Theft technology.
- The CPU is compatible with DirectX 11.0, OpenGL 4.0 and OpenCL 1.2 APIs.
- The graphics unit has the following software features enabled: Intel Quick Sync Video, Wireless Display, Insider, InTru 3D technology and Clear Video HD technology.