

Intel Core i5-3340S processor 2.8 GHz 6 MB Smart Cache

Brand : Intel

Product family: Core

Product code:
CM8063701387400

Product name : i5-3340S



Intel® Core™ i5-3340S Processor
(6M Cache, up to 3.30 GHz)

Intel Core i5-3340S processor 2.8 GHz 6 MB Smart Cache:

Amazing performance and stunning visuals with a boost. Raise the bar on your PC experience with rich visuals plus an automatic burst of speed when you need it. The 4th generation Intel® Core™ i5 processor delivers amazing performance, stunning visuals, and built-in security for deeper protection. Intel Core i5-3340S. Processor family: Intel® Core™ i5, Processor socket: LGA 1155 (Socket H2), Processor lithography: 22 nm. Memory channels: Dual-channel, Maximum internal memory supported by processor: 32 GB, Memory types supported by processor: DDR3-SDRAM. On-board graphics card model: Intel® HD Graphics 2500, On-board graphics card base frequency: 650 MHz, On-board graphics card dynamic frequency (max): 1050 MHz. Market segment: Desktop, PCI Express configurations: 1x16, 2x8, 1x8, 2x4, Supported instruction sets: SSE4.1, SSE4.2, AVX. Intel® Turbo Boost Technology 2.0 frequency: 3.3 GHz



| Processor | | Processor special features | |
|--|-----------------------------------|---|---------|
| Processor manufacturer * | Intel | Intel® Quick Sync Video Technology | ✓ |
| Processor generation | 3rd gen Intel® Core™ i5 | Intel® InTru™ 3D Technology | ✓ |
| Processor model * | i5-3340S | Intel® Wireless Display (Intel® WiDi) | ✓ |
| Processor base frequency * | 2.8 GHz | Intel FDI Technology | ✓ |
| Processor family * | Intel® Core™ i5 | Intel® Clear Video HD Technology (Intel® CVT HD) | ✓ |
| Processor cores * | 4 | Intel® Insider™ | ✓ |
| Processor socket * | LGA 1155 (Socket H2) | Intel® Smart Cache | ✓ |
| Component for | PC | Intel® AES New Instructions (Intel® AES-NI) | ✓ |
| Processor lithography * | 22 nm | Enhanced Intel SpeedStep Technology | ✓ |
| Processor series | Intel Core i5-3300 Desktop Series | Intel Trusted Execution Technology | ✗ |
| Processor threads | 4 | Intel® Turbo Boost Technology 2.0 frequency | 3.3 GHz |
| System bus rate | 5 GT/s | Intel® Transactional Synchronization Extensions | ✗ |
| Processor operating modes * | 64-bit | AMD Cool'n'Quiet Technology | ✗ |
| Processor boost frequency | 3.3 GHz | AMD HD Internet Technology | ✗ |
| Processor cache | 6 MB | AMD HyperTransport Technology | ✗ |
| Processor cache type | Smart Cache | AMD Optimization for Cloud Computing | ✗ |
| Thermal Design Power (TDP) | 65 W | AMD Virtualization Technology | ✗ |
| Box * | ✗ | AMD VISION FX Technology | ✗ |
| Cooler included * | ✗ | AMD Turbo CORE technology | ✗ |
| Generation | 3rd Generation | Intel Enhanced Halt State | ✓ |
| Bus type | DMI | Intel VT-x with Extended Page Tables (EPT) | ✓ |
| Memory bandwidth supported by processor (max) | 25.6 GB/s | Intel® Secure Key | ✓ |
| Processor codename | Ivy Bridge | Intel TSX-NI | ✗ |
| Processor ARK ID | 76343 | Intel 64 | ✓ |
| Memory | | Intel Identity Protection Technology version | 1.00 |
| Maximum internal memory supported by processor | 32 GB | Intel Secure Key Technology version | 1.00 |
| Memory types supported by processor | DDR3-SDRAM | Intel Virtualization Technology (VT-x) | ✓ |
| Memory clock speeds supported by processor | 1333,1600 MHz | Intel Virtualization Technology for Directed I/O (VT-d) | ✓ |
| Memory channels * | Dual-channel | Intel TSX-NI version | 0.00 |
| ECC | ✗ | | |
| Graphics | | | |
| On-board graphics card * | ✓ | | |
| On-board graphics card model * | Intel® HD Graphics 2500 | | |

| | | | |
|--|---------------------|--|---|
| Graphics | | Processor special features | |
| On-board graphics card base frequency | 650 MHz | Conflict-Free processor | ✓ |
| On-board graphics card dynamic frequency (max) | 1050 MHz | Intel® vPro™ Platform Eligibility | ✗ |
| Number of displays supported (on-board graphics) | 3 | Operational conditions | |
| On-board graphics card ID | 0x152 | Tcase | 69.1 °C |
| Features | | Technical details | |
| Execute Disable Bit | ✓ | Bus bandwidth | 5 |
| Idle States | ✓ | Bus type units | GT/s |
| Thermal Monitoring Technologies | ✓ | Launch date | Q3'13 |
| Market segment | Desktop | Processor cache | 6144 KB |
| PCI Express slots version | 3.0 | Product type | Processor |
| PCI Express configurations | 1x16, 2x8, 1x8, 2x4 | Status | Discontinued |
| Supported instruction sets | SSE4.1, SSE4.2, AVX | Maximum memory | 32 GB |
| CPU configuration (max) | 1 | Processor brand name | Intel Core i5 Intel Core i5 Processor |
| Embedded options available | ✗ | Supported memory types | DDR3-SDRAM |
| Graphics & IMC lithography | 22 nm | Last change | 63903513 |
| Thermal solution specification | PCG 2011C | Product family | 3rd Generation Intel Core i5 Processors |
| PCI Express CEM revision | 3.0 | Bus speed | 5 GT/s |
| Export Control Classification Number (ECCN) | 5A992C | Processor ID | 0x152 |
| Commodity Classification Automated Tracking System (CCATS) | G077159 | Logistics data | |
| Processor special features | | Harmonized System (HS) code | 8542310001 |
| Intel® Anti-Theft Technology (Intel® AT) | ✓ | Packaging data | |
| Intel® Hyper Threading Technology (Intel® HT Technology) | ✗ | Package type | Retail box |
| Intel® Identity Protection Technology (Intel® IPT) | ✓ | Weight & dimensions | |
| Intel® My WiFi Technology (Intel® MWT) | ✓ | Width | 37.5 mm |
| Intel® Turbo Boost Technology | 2.0 | Depth | 37.5 mm |
| | | Processor package size | 37.5 x 37.5 mm |
| | | Other features | |
| | | Intel® Virtualization Technology (Intel® VT) | VT-d, VT-x |
| | | Maximum internal memory | 32 GB |
| | | Maximum internal memory | 32768 MB |

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