

Intel Xeon E3-1240V5 processor 3.5 GHz 8 MB Smart Cache Box

Brand : Intel

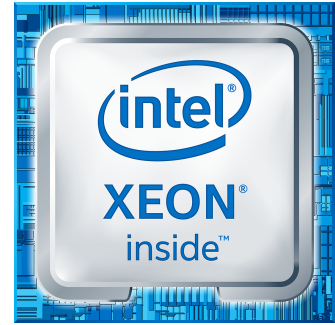
Product family: Xeon

Product code:
BX80662E31240V5

Product name : E3-1240V5

Intel® Xeon® Processor E3-1240 v5
(8M Cache, 3.50 GHz)

Intel Xeon E3-1240V5. Processor family: Intel® Xeon® E3 v5, Processor socket: LGA 1151 (Socket H4), Processor lithography: 14 nm. Memory channels: Dual-channel, Maximum internal memory supported by processor: 64 GB, Memory types supported by processor: DDR4-SDRAM, DDR3L-SDRAM. Market segment: Server, PCI Express configurations: 1x16, 2x8, 1x8+2x4, Supported instruction sets: SSE4.1, SSE4.2, AVX 2.0. Intel® Turbo Boost Technology 2.0 frequency: 3.9 GHz. Package width: 70 mm, Package depth: 116 mm, Package height: 101 mm

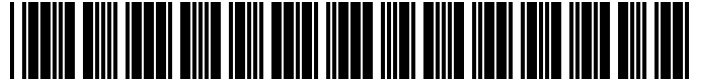


| Processor | | Processor special features | |
|---|-----------------------|---|---------|
| Processor manufacturer * | Intel | Intel® AES New Instructions (Intel® AES-NI) | ✓ |
| Processor model * | E3-1240V5 | Enhanced Intel SpeedStep Technology | ✓ |
| Processor base frequency * | 3.5 GHz | Intel Trusted Execution Technology | ✓ |
| Processor family * | Intel® Xeon® E3 v5 | Intel® Memory Protection Extensions (Intel® MPX) | ✓ |
| Processor cores * | 4 | Intel® Turbo Boost Technology 2.0 frequency | 3.9 GHz |
| Processor socket * | LGA 1151 (Socket H4) | Intel® Transactional Synchronization Extensions | ✓ |
| Component for | Server/workstation | Intel Enhanced Halt State | ✓ |
| Processor lithography * | 14 nm | Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID) | ✗ |
| Processor series | Intel Xeon E3-1200 v5 | Intel VT-x with Extended Page Tables (EPT) | ✓ |
| Processor threads | 8 | Intel® Secure Key | ✓ |
| System bus rate | 8 GT/s | Intel TSX-NI | ✓ |
| Processor operating modes * | 64-bit | Intel® Matrix Storage Technology (Intel® MST) | ✗ |
| Processor boost frequency | 3.9 GHz | Intel® High Definition Audio (Intel® HD Audio) | ✗ |
| Processor cache | 8 MB | Intel® Active Management Technology (Intel® AMT) | ✗ |
| Processor cache type | Smart Cache | Intel® OS Guard | ✓ |
| Thermal Design Power (TDP) | 80 W | Intel® Small Business Advantage (Intel® SBA) | ✗ |
| Box * | ✓ | Intel® Built-in Visuals Technology | ✗ |
| Cooler included * | ✓ | Intel Clear Video Technology | ✗ |
| VID Voltage Range | 0.55 - 1.52 V | | |
| Stepping | R0 | | |
| Bus type | DMI3 | | |
| Memory bandwidth supported by processor (max) | 34.1 GB/s | | |
| Processor codename | Skylake | | |
| Processor code | SR2LD | | |
| Processor ARK ID | 88176 | | |

| Memory | | Processor special features | |
|--|-------------------------|---|-----------------------------------|
| Maximum internal memory supported by processor | 64 GB | Intel Software Guard Extensions (Intel SGX) | ✓ |
| Memory types supported by processor | DDR4-SDRAM, DDR3L-SDRAM | Intel HD Graphics | ✗ |
| Memory clock speeds supported by processor | 1333,1600,1866,2133 MHz | Intel 64 | ✓ |
| Memory voltage supported by processor | 1.35 V | Intel Secure Key Technology version | 1.00 |
| Memory channels * | Dual-channel | Intel Virtualization Technology (VT-x) | ✓ |
| ECC | ✓ | Intel Virtualization Technology for Directed I/O (VT-d) | ✓ |
| Graphics | | Intel TSX-NI version | 1.00 |
| On-board graphics card 4K support | ✗ | Conflict-Free processor | ✓ |
| Features | | Intel® Boot Guard | ✓ |
| Execute Disable Bit | ✓ | Intel® vPro™ Platform Eligibility | ✓ |
| Idle States | ✓ | Technical details | |
| Thermal Monitoring Technologies | ✓ | Bus bandwidth | 8 |
| Market segment | Server | Bus type units | GT/s |
| Maximum number of PCI Express lanes | 16 | Launch date | Q4'15 |
| PCI Express slots version | 3.0 | Maximum resolution & refresh rate (DisplayPort) | N/A |
| PCI Express configurations | 1x16, 2x8, 1x8+2x4 | Maximum resolution & refresh rate (HDMI) | N/A |
| Supported instruction sets | SSE4.1, SSE4.2, AVX 2.0 | Maximum resolution & refresh rate (Integrated Flat Panel) | N/A |
| Scalability | 1S | Maximum resolution & refresh rate (VGA) | N/A |
| CPU configuration (max) | 1 | Processor cache | 8192 KB |
| Embedded options available | ✗ | Product type | Processor |
| Graphics & IMC lithography | 14 nm | Status | Discontinued |
| PCI Express CEM revision | 3.0 | Maximum memory | 64 GB |
| Export Control Classification Number (ECCN) | 5A992C | Processor brand name | Intel Xeon |
| Commodity Classification Automated Tracking System (CCATS) | G077159 | Supported memory types | DDR4-SDRAM, DDR3L-SDRAM |
| Processor special features | | Last change | 63903513 |
| Intel® Hyper Threading Technology (Intel® HT Technology) | ✓ | Maximum resolution (WiDi) | N/A |
| Intel® Rapid Start Technology | ✗ | Product family | Intel Xeon Processor E3 v5 Family |
| Intel Smart Connect Technology | ✗ | Bus speed | 8 GT/s |
| Intel® Smart Response Technology | ✗ | Logistics data | |
| Intel® Turbo Boost Technology | 2.0 | Harmonized System (HS) code | 85423119 |
| Intel® Quick Sync Video Technology | ✗ | Packaging data | |
| Intel® InTru™ 3D Technology | ✗ | Package width | 70 mm |
| Intel® Wireless Display (Intel® WiDi) | ✗ | Package depth | 116 mm |
| Intel® Clear Video HD Technology (Intel® CVT HD) | ✗ | Package height | 101 mm |
| Intel® Insider™ | ✗ | Package weight | 373 g |
| Intel® Smart Cache | ✓ | Package type | Retail box |
| | | Weight & dimensions | |
| | | Processor package size | 37.5 x 37.5 mm |
| | | Other features | |
| | | Maximum internal memory | 64 GB |
| | | Maximum internal memory | 65536 MB |
| | | Graphics output | N/A |



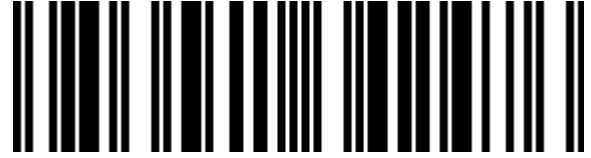
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