



HP Intel Xeon E5-4610 processor 2.4 GHz 15 MB L3

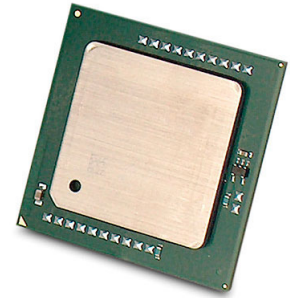
Brand : HP

Product code: 679104-B21

Product name : Intel Xeon E5-4610

Intel Xeon E5-4610 (15M Cache, 2.40 GHz, 7.20 GT/s Intel® QPI)

HP Intel Xeon E5-4610. Processor family: Intel® Xeon® E5 Family, Processor socket: LGA 2011 (Socket R), Processor lithography: 32 nm. Memory channels: Quad-channel, Maximum internal memory supported by processor: 1.5 TB, Memory types supported by processor: DDR3-SDRAM. Market segment: Server, Supported instruction sets: AVX, Scalability: S4S. Processor package size: 52.5 mm. Intel® Virtualization Technology (Intel® VT): VT-d, VT-x



| Processor | | Features | |
|--|------------------------|--|------------|
| Processor model * | E5-4610 | Thermal Monitoring Technologies | ✓ |
| Processor base frequency * | 2.4 GHz | Market segment | Server |
| Processor family * | Intel® Xeon® E5 Family | PCI Express slots version | 3.0 |
| Processor cores * | 6 | Supported instruction sets | AVX |
| Processor socket * | LGA 2011 (Socket R) | Scalability | S4S |
| Component for | Server/workstation | CPU configuration (max) | 4 |
| Processor lithography * | 32 nm | Embedded options available | ✗ |
| Processor threads | 12 | Processor special features | |
| System bus rate | 7.2 GT/s | Intel® Hyper Threading Technology (Intel® HT Technology) | ✓ |
| Processor operating modes * | 64-bit | Intel® Turbo Boost Technology | 2.0 |
| Processor boost frequency | 2.9 GHz | Intel Flex Memory Access | ✓ |
| Processor cache | 15 MB | Intel® Smart Cache | ✓ |
| Processor cache type | L3 | Intel® AES New Instructions (Intel® AES-NI) | ✓ |
| L3 cache speed | 2.4 GHz | Enhanced Intel SpeedStep Technology | ✓ |
| Thermal Design Power (TDP) | 95 W | Intel Trusted Execution Technology | ✓ |
| VID Voltage Range | 0.6 - 1.35 V | Intel Enhanced Halt State | ✓ |
| Stepping | C2 | Intel VT-x with Extended Page Tables (EPT) | ✓ |
| Bus type | QPI | Intel Demand Based Switching | ✓ |
| Number of QPI links | 2 | Intel Virtualization Technology (VT-x) | ✓ |
| Memory bandwidth supported by processor (max) | 42.6 GB/s | Intel Virtualization Technology for Directed I/O (VT-d) | ✓ |
| Memory | | Intel® vPro™ Platform Eligibility | ✓ |
| Maximum internal memory supported by processor | 1.5 TB | Weight & dimensions | |
| Memory types supported by processor | DDR3-SDRAM | Processor package size | 52.5 mm |
| Memory clock speeds supported by processor | 800,1066,1333 MHz | Other features | |
| Memory channels * | Quad-channel | Intel® Virtualization Technology (Intel® VT) | VT-d, VT-x |
| ECC | ✓ | | |
| Features | | | |
| Execute Disable Bit | ✓ | | |
| Idle States | ✓ | | |

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