Intel Xeon E-2314 / 2.8 GHz processor - OEM(CM8070804496113)

Intel Xeon E-2314 - 2.8 GHz - 4 cores - 4 threads - 8 MB cache - LGA1200 Socket - OEM

Deliver cloud computing, real-time analytics, processing for your mission-critical business, and big data insights. Improve data center efficiency and reliability to handle any workload.

Main Specifications

Product Description	Intel Xeon E-2314 / 2.8 GHz processor - OEM
Product Type	Processor
Processor Type	Intel Xeon E-2314
Number of Cores	Quad-Core / 4 threads
Cache	8 MB
Compatible Processor Socket	LGA1200 Socket
Processor Qty	1
Clock Speed	2.8 GHz
Max Turbo Speed	4.5 GHz
Bus Speed	8 GT/s
Manufacturing Process	14 nm
Features	Intel 64 Technology, Intel Advanced Vector Extensions 2 (AVX2.0), Intel Advanced Vector Extensions 512 (AVX-512), Intel Turbo Boost Technology 2.0, Intel Virtualization Technology, Intel Virtualization Technology for Directed I/O (VT-d), Intel VT-x with Extended Page Tables (EPT), streaming SIMD extensions 4.1, streaming SIMD extensions 4.2, Idle States, Enhanced SpeedStep technology, Hyper-Threading Technology, Thermal Monitoring Technologies, Intel AES New Instructions (AES-NI), Intel Secure Key, Intel Software Guard Extensions (SGX), Intel Memory Protection Extensions (MPX), Intel OS Guard, Intel Trusted Execution Technology, Execute Disable Bit capability, Intel Boot Guard, Intel vPro Platform Eligibility

Extended Specification

General

Product Type	Processor

Processor

Type / Form Factor	Intel Xeon E-2314
Number of Cores	Quad-Core
Number of Threads	4 threads
Cache	8 MB
Cache Memory Details	Smart Cache - 8 MB
Processor Qty	1
Clock Speed	2.8 GHz
Max Turbo Speed	4.5 GHz
Bus Speed	8 GT/s
Compatible Processor Socket	LGA1200 Socket
Manufacturing Process	14 nm
Thermal Design Power	65 W
Thermal Specification	100 °C
PCI Express Revision	4.0
PCI Express Configurations	1x16+1x4, 2x8+1x4, 1x8+3x4
PCI Express Lanes Qty	20

Architecture Features	Intel 64 Technology, Intel Advanced Vector Extensions 2 (AVX2.0), Intel Advanced Vector Extensions 512 (AVX-512), Intel Turbo Boost Technology 2.0, Intel Virtualization Technology, Intel Virtualization Technology for Directed I/O (VT-d), Intel VT-x with Extended Page Tables (EPT), streaming SIMD extensions 4.1, streaming SIMD extensions 4.2, Idle States, Enhanced SpeedStep technology, Hyper-Threading Technology, Thermal Monitoring Technologies, Intel AES New Instructions (AES-NI), Intel Secure Key, Intel Software Guard Extensions (SGX), Intel Memory Protection Extensions (MPX), Intel OS Guard, Intel Trusted Execution Technology, Execute Disable Bit capability, Intel Boot Guard, Intel vPro Platform Eligibility

Miscellaneous

Package Type	OEM/tray