

Intel Xeon E-2414 processor 2.6 GHz 12 MB Box

Brand : Intel

Product family: Xeon

Product code: BX80715E2414

Product name : E-2414



Boxed Intel® Xeon® E-2414 Processor (12M Cache, 2.60 GHz) FC-LGA16A
 Intel Xeon E-2414. Processor family: Intel Xeon E, Processor socket: LGA 1700, Processor manufacturer: Intel. Memory channels: Dual-channel, Maximum internal memory supported by processor: 128 GB, Memory types supported by processor: DDR5-SDRAM. Market segment: Server, Use conditions: Server/Enterprise, PCI Express configurations: 2x8+1x4, 1x16+1x4. Intel® Turbo Boost Technology 2.0 frequency: 4.5 GHz, Microprocessor PCIe Revision: Gen 5. Maximum internal memory: 128 GB

Processor		Features	
Processor manufacturer *	Intel	Commodity Classification	
Processor model *	E-2414	Automated Tracking System (CCATS)	740.17B1
Processor base frequency *	2.6 GHz	Processor special features	
Processor family *	Intel Xeon E	Intel® Hyper Threading Technology (Intel® HT Technology)	✗
Processor cores *	4	Intel® Turbo Boost Technology	2.0
Processor socket *	LGA 1700	Intel® AES New Instructions (Intel® AES-NI)	✓
Processor threads	4	Enhanced Intel SpeedStep Technology	✓
System bus rate	16 GT/s	Intel Trusted Execution Technology	✓
Processor operating modes *	64-bit	Intel® Turbo Boost Technology 2.0 frequency	4.5 GHz
Performance cores	4	Intel® Transactional Synchronization Extensions	✗
Processor boost frequency	4.5 GHz	Intel® Total Memory Encryption	✓
Processor cache	12 MB	Intel VT-x with Extended Page Tables (EPT)	✓
Thermal Design Power (TDP)	55 W	Intel® Secure Key	✓
Box *	✓	Intel® OS Guard	✓
Stepping	B0	Intel 64	✓
Maximum number of DMI lanes	8	Intel Virtualization Technology (VT-x)	✓
Processor codename	Raptor Lake	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Processor ARK ID	236193	Intel Turbo Boost Max Technology 3.0	✗
Memory		Intel® Boot Guard	✓
Maximum internal memory supported by processor	128 GB	Mode-based Execute Control (MBE)	✓
Memory types supported by processor	DDR5-SDRAM	Intel® Optane™ DC Persistent Memory Supported	✗
Memory channels *	Dual-channel	Intel® Virtualization Technology with Redirect Protection (VT-rp)	✓
ECC	✓	Microprocessor PCIe Revision	Gen 5
Graphics		Intel® Total Memory Encryption - Multi Key	✓
On-board graphics card *	✗	Operational conditions	
Discrete graphics card *	✗	Tjunction	100 °C
On-board graphics card model *	Not available		
Discrete graphics card model *	Not available		
Features			
Execute Disable Bit	✓		
Idle States	✓		
Thermal Monitoring Technologies	✓		
Market segment	Server		
Use conditions	Server/Enterprise		
Maximum number of PCI Express lanes	20		

Features		Logistics data	
PCI Express slots version	5.0	Harmonized System (HS) code	8542310001
PCI Express configurations	2x8+1x4, 1x16+1x4	Technical details	
Supported instruction sets	AVX 2.0, SSE4.1, SSE4.2	Launch date	Q4'23
Scalability	1S	Status	Launched
CPU configuration (max)	1	Servicing status	Baseline Servicing
Embedded options available	✘	Other features	
Export Control Classification Number (ECCN)	5A992C	Maximum internal memory	128 GB



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