Intel Xeon E-2434 processor 3.4 GHz 12 MB Box

Brand : Intel

Product family: Xeon

Product code: BX80715E2434

Features

Product name : E-2434

Boxed Intel Xeon E-2434 Processor (12M Cache, 3.40 GHz) FC-LGA16A

Intel Xeon E-2434. 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: 5 GHz, Microprocessor PCIe Revision: Gen 5. Maximum internal memory: 128 GB

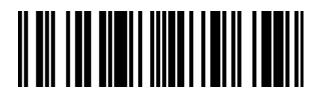




Processor

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Processor manufacturer * Processor model * Processor base frequency *	Intel E-2434 3.4 GHz	Commodity Classification Automated Tracking System (CCATS)	740.17B1
Processor family *	Intel Xeon E	Processor special features	
Processor cores * Processor socket *	4 LGA 1700	Intel® Hyper Threading Technology (Intel® HT Technology)	∢
Processor threads	8	Intel® Turbo Boost Technology	2.0
System bus rate	16 GT/s	Intel® AES New Instructions (Intel®	1
Processor operating modes *	64-bit	AES-NI)	
Performance cores	4	Enhanced Intel SpeedStep Technology	4
Processor boost frequency	5 GHz	Intel Trusted Execution Technology	1
Processor cache	12 MB	Intel® Turbo Boost Technology 2.0	5 GHz
Thermal Design Power (TDP)	55 W	frequency	5 61/2
Box *	√	Intel® Transactional Synchronization Extensions	×
Stepping Maximum number of DMI lanes	B0 8	Intel® Total Memory Encryption	1
Processor codename	8 Raptor Lake	Intel VT-x with Extended Page	1
Processor ARK ID	236192	Tables (EPT)	*
Memory		Intel® Secure Key	4
-		Intel® OS Guard	
Maximum internal memory supported by processor	128 GB	Intel 64	4
Memory types supported by		Intel Virtualization Technology (VT- x)	1
processor	DDR5-SDRAM	Intel Virtualization Technology for	1
Memory channels *	Dual-channel	Directed I/O (VT-d)	•
ECC	4	Intel Turbo Boost Max Technology 3.0	×
Graphics		Intel® Boot Guard	1
On-board graphics card *	×	Mode-based Execute Control (MBE)	4
Discrete graphics card *	×	Intel [®] Optane [™] DC Persistent	×
On-board graphics card model *	Not available	Memory Supported	2
Discrete graphics card model *	Not available	Intel® Virtualization Technology with Redirect Protection (VT-rp)	1
Features		Microprocessor PCIe Revision	Gen 5
Execute Disable Bit	✓	Intel® Total Memory Encryption -	
Idle States	1	Multi Key	✓
Thermal Monitoring Technologies	✓	Operational conditions	
Market segment	Server	Tjunction	100 °C
Use conditions	Server/Enterprise		
Maximum number of PCI Express lanes	20		

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



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