



## HP Intel Xeon E5504 processor 2 GHz 4 MB L3

Brand : HP

Product code: NF146AA

Product name : Intel Xeon E5504



Intel Xeon Processor E5504 (4M Cache, 2.00 GHz, 4.80 GT/s Intel QPI)

HP Intel Xeon E5504. Processor family: Intel® Xeon® 5000 Sequence, Processor socket: Socket B (LGA 1366), Processor lithography: 45 nm. Memory channels: Triple-channel, Maximum internal memory supported by processor: 144 GB, Memory types supported by processor: DDR3-SDRAM. Market segment: Server. Processor package size: 42.5 mm. Intel® Virtualization Technology (Intel® VT): VT-d, VT-x

### Processor

Processor model *	E5504
Processor base frequency *	2 GHz
Processor family *	Intel® Xeon® 5000 Sequence
Processor cores *	4
Processor socket *	Socket B (LGA 1366)
Component for	Server/workstation
Processor lithography *	45 nm
Processor threads	4
System bus rate	4.8 GT/s
Processor operating modes *	64-bit
Processor cache	4 MB
Processor cache type	L3
Thermal Design Power (TDP)	80 W
VID Voltage Range	0.75 - 1.35 V
Stepping	D0
Memory bandwidth supported by processor (max)	19.2 GB/s

### Memory

Maximum internal memory supported by processor	144 GB
Memory types supported by processor	DDR3-SDRAM
Memory clock speeds supported by processor	800 MHz
Memory channels *	Triple-channel
ECC	✓

### Graphics

On-board graphics card \* ✗

### Features

Execute Disable Bit	✓
Idle States	✓
Market segment	Server
CPU configuration (max)	2
Embedded options available	✓

### Processor special features

Intel® Smart Cache	✓
Enhanced Intel SpeedStep Technology	✓
Intel VT-x with Extended Page Tables (EPT)	✓
Intel Demand Based Switching	✓
Intel Virtualization Technology (VT-x)	✓
Intel Virtualization Technology for Directed I/O (VT-d)	✓

### Operational conditions

Tcase 76 °C

### Weight & dimensions

Processor package size 42.5 mm

### Other features

Intel® Virtualization Technology (Intel® VT) VT-d, VT-x



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