

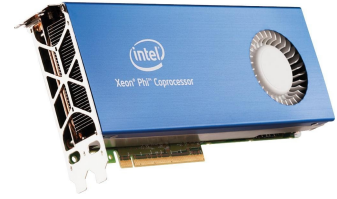
Intel Xeon 3120A processor 1.1 GHz 28.5 MB L2

Brand : Intel

Product family: Xeon

Product code: SC3120AEB

Product name : 3120A



Intel® Xeon Phi™ Coprocessor 3120A
(6GB, 1.100 GHz, 57 core)

Intel Xeon 3120A. Processor family: Intel® Xeon Phi™, Processor lithography: 22 nm, Processor manufacturer: Intel. Memory channels: Dodeca-channel, Maximum internal memory supported by processor: 6 GB, Memory types supported by processor: GDDR5. Market segment: Server, PCI Express configurations: 1x16, Supported instruction sets: IMCI. Maximum internal memory: 6 GB, Maximum internal memory: 6144 MB

Processor		Processor special features	
Processor manufacturer *	Intel	Intel® My WiFi Technology (Intel® MWT)	✗
Processor model *	3120A	Intel® Turbo Boost Technology	✗
Processor base frequency *	1.1 GHz	Intel® Quick Sync Video Technology	✗
Processor family *	Intel® Xeon Phi™	Intel® InTru™ 3D Technology	✗
Processor cores *	57	Intel® Wireless Display (Intel® WiDi)	✗
Component for	Server/workstation	Intel FDI Technology	✗
Processor lithography *	22 nm	Intel® Clear Video HD Technology (Intel® CVT HD)	✗
Processor series	Intel Xeon Phi Coprocessor 3100 Series	Intel Dual Display Capable Technology	✗
Processor threads	57	Intel® Insider™	✗
Processor operating modes *	64-bit	Intel Fast Memory Access	✗
Processor cache	28.5 MB	Intel Flex Memory Access	✗
Processor cache type	L2	Intel® AES New Instructions (Intel® AES-NI)	✗
Thermal Design Power (TDP)	300 W	Enhanced Intel SpeedStep Technology	✗
Box *	✗	Intel Trusted Execution Technology	✗
Cooler included *	✗	Intel Enhanced Halt State	✗
Compatible chipsets	Intel® C602	Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✗
Stepping	C0	Intel VT-x with Extended Page Tables (EPT)	✗
FSB Parity	✗	Intel Demand Based Switching	✗
Memory bandwidth supported by processor (max)	240 GB/s	Intel Rapid Storage Technology	✗
Processor codename	Knights Corner	Intel Clear Video Technology	✗
Processor code	S	Intel 64	✗
Processor ARK ID	75797	Intel Virtualization Technology for Directed I/O (VT-d)	✗
Memory		Conflict-Free processor	✗
Maximum internal memory supported by processor	6 GB	Intel® vPro™ Platform Eligibility	✗
Memory types supported by processor	GDDR5	Technical details	
Memory channels *	Dodeca-channel	Launch date	Q2'13
ECC	✓	Processor cache	29184 KB
Graphics		Product type	Processor
On-board graphics card *	✗	Status	Discontinued
Features		Maximum memory	6 GB
Execute Disable Bit	✗	Last change	63903513
Thermal Monitoring Technologies	✗	Product family	Intel Xeon Phi Coprocessor x100 Product Family
Market segment	Server	Logistics data	
PCI Express slots version	2.0	Harmonized System (HS) code	8471500150
PCI Express configurations	1x16		
Supported instruction sets	IMCI		
Embedded options available	✗		
PCI Express CEM revision	2.0		

Features		Other features	
Export Control Classification Number (ECCN)	3A991	Maximum internal memory	6 GB
Commodity Classification Automated Tracking System (CCATS)	NA	Maximum internal memory	6144 MB
Processor special features			
Intel® Anti-Theft Technology (Intel® AT)	✘		
Intel® Hyper Threading Technology (Intel® HT Technology)	✘		



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