![intel]

Intel Xeon 5120D processor 1.05 GHz 30 MB L2

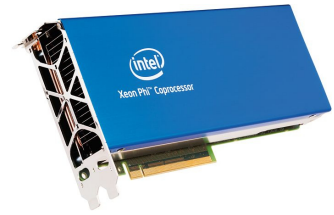**Brand :** Intel　　　　**Product family:** Xeon　　　　**Product code:** SC5120D

Product name : 5120D

Intel® Xeon Phi™ Coprocessor 5120D
(8GB, 1.053 GHz, 60 core)
Intel Xeon 5120D. Processor family: Intel® Xeon Phi™, Processor lithography: 22 nm, Processor
manufacturer: Intel. Memory channels: Hexadeca-channel, Maximum internal memory supported by
processor: 8 GB, Memory types supported by processor: GDDR5. Market segment: Server, PCI Express
configurations: 1x16, Supported instruction sets: IMCI. Package width: 182 mm, Package depth: 214
mm, Package height: 61 mm. Maximum internal memory: 8 GB, Maximum internal memory: 8192 MB,
Cache memory: 30 MB

Processor

Processor manufacturer *	Intel
Processor model *	5120D
Processor base frequency *	1.05 GHz
Processor family *	Intel® Xeon Phi™
Processor cores *	60
Component for	Server/workstation
Processor lithography *	22 nm
Processor series	Intel Xeon Phi Coprocessor 5100 Series
Processor threads	60
Processor operating modes *	64-bit
Processor cache	30 MB
Processor cache type	L2
Thermal Design Power (TDP)	245 W
Box *	✘
Cooler included *	✘
Compatible chipsets	Intel® C602
Memory bandwidth supported by processor (max)	352 GB/s
Processor codename	Knights Corner
Processor ARK ID	75801

Memory

Maximum internal memory supported by processor	8 GB
Memory types supported by processor	GDDR5
Memory channels *	Hexadeca-channel
ECC	✔

Graphics

On-board graphics card *	✘

Features

Market segment	Server
PCI Express slots version	2.0

Features

PCI Express configurations	1x16
Supported instruction sets	IMCI
Embedded options available	✘
PCI Express CEM revision	2.0
Export Control Classification Number (ECCN)	3A991
Commodity Classification Automated Tracking System (CCATS)	NA

Processor special features

Intel® Turbo Boost Technology	✘

Technical details

Born on date	Q2'13
Launch date	Q2'13
Processor cache	30720 KB
Product name	Intel Xeon Phi Co 5120D (8GB, 1.053 GHz, 60 core)
Product type	Processor
Status	Discontinued
Maximum memory	8 GB
Processor brand name	Intel Xeon
Last change	63903513
Product family	Intel Xeon Phi Coprocessor x100 Product Family

Logistics data

Harmonized System (HS) code	8471500150

Packaging data

Package width	182 mm
Package depth	214 mm
Package height	61 mm

Other features

Maximum internal memory	8 GB
Maximum internal memory	8192 MB
Cache memory	30 MB

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