

## Intel Xeon 5120D processor 1.05 GHz 30 MB L2

Brand : Intel

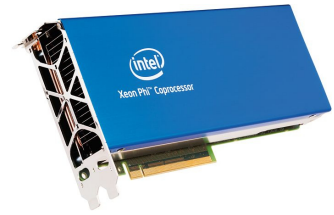
Product family: Xeon

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                                      |  | Features   |   |
|--|--|--|---|
| Processor manufacturer *                       | Intel                                  | PCI Express configurations                                 | 1x16  |
| Processor model *                              | 5120D                                  | Supported instruction sets                                 | IMCI  |
| Processor base frequency *                     | 1.05 GHz                               | Embedded options available                                 | ✗   |
| Processor family *                             | Intel® Xeon Phi™                       | PCI Express CEM revision                                   | 2.0   |
| Processor cores *                              | 60                                     | Export Control Classification Number (ECCN)                | 3A991   |
| Component for                                  | Server/workstation                     | Commodity Classification Automated Tracking System (CCATS) | NA  |
| 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   |  | Processor special features                                 |   |
| Maximum internal memory supported by processor | 8 GB                                   | Intel® Turbo Boost Technology                              | ✗   |
| Memory types supported by processor            | GDDR5                                  | Technical details  |   |
| Memory channels *                              | Hexadeca-channel                       | Born on date   | Q2'13   |
| ECC  | ✓                                      | Launch date  | Q2'13   |
| Graphics                                       |  | Processor cache  | 30720 KB  |
| On-board graphics card *                       | ✗                                      | Product name   | Intel Xeon Phi Co 5120D (8GB, 1.053 GHz, 60 core) |
| Features                                       |  | Product type   | Processor   |
| Market segment                                 | Server                                 | Status   | Discontinued                                      |
| PCI Express slots version                      | 2.0                                    | 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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