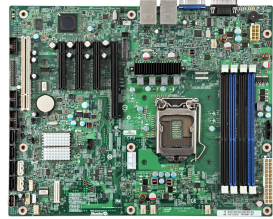


## Intel S1200BTLR motherboard Intel® C204 LGA 1155 (Socket H2) ATX



**Brand :** Intel

**Product code:** S1200BTLR

**Product name :** S1200BTLR

Server Board S1200BTLR

[Intel S1200BTLR motherboard Intel® C204 LGA 1155 \(Socket H2\) ATX:](#)

Integrated graphics allow for incredible visual quality, faster graphic performance and flexible display options without the need for a separate graphics card.

Advanced Encryption Standard New Instructions (AES-NI) are a set of instructions that enable fast and secure data encryption and decryption. AES-NI are valuable for a wide range of cryptographic applications, for example: applications that perform bulk encryption/decryption, authentication, random number generation, and authenticated encryption.

Intel® Intelligent Power Node Manager is a platform resident technology that enforces power and thermal policies for the platform. It enables data center power and thermal management by exposing an external interface to management software through which platform policies can be specified. It also enables specific data center power management usage models such as power limiting.



Processor		Processor special features	
Processor manufacturer *	Intel	Intel Flex Memory Access	✓
Processor socket *	LGA 1155 (Socket H2)	Intel Client Initiated Remote Access (CIRA) technology	✗
Compatible processor series *	Intel® Xeon® E3 Family, Intel® Core™ i3	Intel® Active Management Technology (Intel® AMT)	✗
Intel Xeon series	E3-1200	Intel® AES New Instructions (Intel® AES-NI)	✓
System bus rate	5 GT/s	Intel AC'97 technology	✗
Lithography	32 nm	Trusted Platform Module (TPM) version	1.2
Processor number of cores supported	2, 4	Intel® High Definition Audio (Intel® HD Audio)	✗
Number of QPI links	1	Intel Clear Video Technology	✗
Maximum number of PCI Express lanes	20	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Maximum internal memory supported by processor	32 GB	Intel Rapid Storage Technology enterprise	✗
Memory bandwidth supported by processor (max)	25.6 GB/s	Intel® Remote Wake Technology (Intel® RWT)	✗
ECC supported by processor	✓	Intel Advanced Management Technology	✗
Product family	Single-socket server board	Intel Server Management Software	✓
Product series	Intel S1200BT	Intel Remote Management Module Support	✓
Product codename	Beartooth Pass	Intel Server Customization Technology	✓
<b>Memory</b>		Intel Build Assurance Technology	✓
Supported memory types *	DDR3-SDRAM	Intel Quiet Thermal Technology	✗
Memory channels	Dual-channel	Intel Efficient Power Technology	✗
ECC	✓	Intel Intelligent Power Node Manager	✓
Supported memory clock speeds	1600 MHz	Integrated BMC with IPMI	✓
Maximum internal memory *	32 GB	Integrated systems available	✓
Unbuffered memory	✓	<b>Logistics data</b>	
Maximum RDIMM memory	32 GB	Harmonized System (HS) code	8473301180
Memory bandwidth (max)	1600 GB/s	<b>Other features</b>	
<b>Storage controllers</b>		PCI Express x8 (Gen 2.x) slots	3
Supported storage drive interfaces *	SATA, SATA II	Maximum UDIMM memory	32 GB
RAID levels	0, 1, 10		
<b>Graphics</b>			
On-board graphics card	✓		

Internal I/O		Other features	
USB 2.0 connectors *	5	Number of DIMM slots	4
Number of SATA connectors	6	Number of processors supported	1
Total number of SATA connectors	6	PCI Express slots quantity	4
Rear panel I/O ports		Supplemental SKU	✗
USB 2.0 ports quantity *	4	Embedded options available	✗
Ethernet LAN (RJ-45) ports *	2	CPU configuration (max)	1
VGA (D-Sub) ports quantity *	1	Discrete graphics card model	Supported
Serial ports quantity	2	Graphics output	VGA
Network		Intel® vPro™ Platform Eligibility	✗
Ethernet LAN	✓	PCI Express CEM revision	2.0
Ethernet interface type	Fast Ethernet, Gigabit Ethernet	Images Type Map	✗ ✗ ✗
Wi-Fi *	✗	Intel Node Manager	✓
Features		(1) Intel Server Board S1200BTLR and Attention document. Below items are not included in 10 pack sku, but included in Dist 5 Pack only: I/O shield, (4) SATA cables, configuration labels, Intel Server Deployment & Management DVD, and Quick Start User's Guide. Note: the OEM 10 Pack does not ship with included items.	
Motherboard chipset *	Intel® C204	Packaging content	
Component for *	Server	Chassis type	Tower
Motherboard form factor *	ATX	Thermal Design Power (TDP)	95 W
Physical Address Extension (PAE)	40 bit	Commodity Classification	
Rack-Friendly board	✓	Automated Tracking System (CCATS)	G145323
Embedded USB (eUSB) SSD option	✗	Export Control Classification Number (ECCN)	5A992C
Market segment	Server	Motherboard ARK ID	67494
Expansion slots		Technical details	
PCI Express x4 slots	3	FireWire support	✗
PCI Express x8 slots	1	Launch date	Q2'12
PCI Express x16 (Gen 2.x) slots	1	Product type	Server/Workstation Board
PCI slots	1	Status	Discontinued
PCI Express slots version	2.0	USB ports quantity	9
Processor special features		USB version	2.0
Intel® Anti-Theft Technology (Intel® AT)	✗	Maximum memory	32 GB
Intel Fast Memory Access	✗	Supported RAID configuration	Intel® RST (0, 1, 10, 5); ESRT2 (0, 1, 10)
Trusted Platform Module (TPM)	✓	Last change	63903513
Intel Trusted Execution Technology	✓	Expected discontinuance date	Q2'15
Intel Remote PC Assist Technology (RPAT)	✗	Form factor	ATX
Intel Rapid Storage Technology	✓	Last order date	Thursday, October 15, 2015
Intel Quiet System Technology (QST)	✗	End of life date announcement	Friday, April 17, 2015
Intel Quick Resume Technology	✗	Additional information URL	<a href="http://www.intel.com/content/www/us/en/motherboards/server-motherboards/server-board-s1200bt.html">http://www.intel.com/content/www/us/en/motherboards/server-motherboards/server-board-s1200bt.html</a>
Intel® Matrix Storage Technology (Intel® MST)	✗	Last receipt attributes date	Monday, February 15, 2016
Intel I/O Acceleration Technology	✗		



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