

Intel i7-5820K

Intel Core i7-5820K Desktop Processor Instruction Manual

Model: BX80648I75820K

1. INTRODUCTION

This instruction manual provides essential information for the proper installation, operation, and maintenance of your Intel Core i7-5820K Desktop Processor. Please read this manual thoroughly before proceeding with installation to ensure optimal performance and system stability. This processor is designed for high-performance desktop computing, offering advanced multi-core processing capabilities.

2. PRODUCT OVERVIEW

The Intel Core i7-5820K is a high-performance desktop processor featuring 6 cores and 12 threads, enabled by Intel's Hyper-Threading Technology. It operates at a base clock speed of 3.3GHz and includes 15MB of Intel Smart Cache. This processor is part of the Intel Haswell-E family and is designed for the LGA2011-v3 socket on X99 chipset motherboards. It supports DDR4 memory, providing a robust foundation for demanding applications, gaming, and content creation.



Figure 2.1: Intel Core i7-5820K Processor Retail Box. This image displays the packaging for the Intel Core i7-5820K processor, highlighting its branding and key features.



Figure 2.2: Intel Core i7-5820K Processor Top View. This image shows the top surface of the processor, featuring the Intel Core i7 branding.

3. FEATURES

- **6 Cores / 12 Threads:** Enhanced multitasking and parallel processing capabilities.
- **Intel Hyper-Threading Technology:** Allows each processor core to work on two tasks simultaneously, improving overall performance.
- **Intel Smart Cache:** Dynamically allocates shared cache to each processor core based on workload, significantly reducing latency to frequently used data.
- **Intel Quick Path Interconnect (QPI):** High-speed point-to-point interconnect for improved system performance.
- **Integrated Memory Controller:** Supports DDR4-2133 memory for faster data access.
- **Intel HD Boost:** Enhances performance for multimedia and data-intensive applications.
- **Turbo Boost Technology 2.0:** Dynamically increases the processor's frequency as needed by taking advantage of thermal and power headroom.
- **Unlocked Processor:** Allows for overclocking to achieve higher performance (requires compatible motherboard and cooling).

4. SETUP AND INSTALLATION

Installing a processor requires careful handling and adherence to specific procedures. It is recommended that installation be performed by a qualified technician. Ensure your motherboard is compatible with the LGA2011-v3 socket and X99 chipset, and supports DDR4 memory.

4.1. Before You Begin

- **Compatibility Check:** Verify that your motherboard supports the Intel Core i7-5820K processor (LGA2011-v3 socket, X99 chipset).
- **Power Off:** Always disconnect the power supply from the wall outlet before opening your computer case.
- **Static Discharge:** Wear an anti-static wrist strap or frequently touch a grounded metal object to prevent electrostatic discharge (ESD) damage.

- **Cooling Solution:** This processor is sold as "CPU Only" and does not include a stock cooler. A high-quality aftermarket CPU cooler (air or liquid) is required for proper operation and thermal management.
- **Thermal Paste:** Have thermal paste ready, as it is essential for efficient heat transfer between the CPU and the cooler.

4.2. Processor Installation Steps

1. **Open CPU Socket:** Locate the CPU socket on your motherboard. Carefully open the socket retention mechanism by pushing down and out on the lever(s).
2. **Orient the Processor:** Align the triangular gold arrow on the corner of the processor with the corresponding mark on the CPU socket. Ensure the notches on the processor align with the keys in the socket.
3. **Insert Processor:** Gently place the processor straight down into the socket. Do not force it. If it does not seat easily, re-check the alignment.
4. **Close CPU Socket:** Close the socket retention mechanism by pushing the lever(s) back into place until they click.
5. **Apply Thermal Paste:** Apply a small amount of thermal paste (typically a pea-sized dot) to the center of the CPU's integrated heat spreader (IHS).
6. **Install CPU Cooler:** Follow the instructions provided with your aftermarket CPU cooler to properly install it onto the motherboard, ensuring firm and even contact with the CPU. Connect the cooler's fan cable to the designated CPU_FAN header on the motherboard.



Figure 4.1: Intel Core i7-5820K Processor Angled View. This image provides an angled perspective of the processor, showing its metallic heat spreader and green substrate.



Figure 4.2: Intel Core i7-5820K Processor Bottom View. This image displays the underside of the processor, showing the contact pads that interface with the motherboard socket.

5. OPERATING THE PROCESSOR

Once installed, the Intel Core i7-5820K processor operates automatically within your system. Its performance is managed by the operating system and motherboard BIOS/UEFI settings.

5.1. General Usage

- The processor will dynamically adjust its clock speed and power consumption based on workload, utilizing Intel Turbo Boost Technology 2.0 for peak performance when needed.
- Ensure your operating system and drivers (especially chipset drivers) are up to date for optimal performance and stability.
- For multi-GPU configurations (SLI/CrossFire), be aware that the i7-5820K provides 28 PCIe lanes. While sufficient for many setups, high-end multi-GPU configurations or extensive PCIe storage might benefit from processors with 40 lanes.

5.2. Overclocking (Advanced Users)

The Intel Core i7-5820K is an unlocked processor, allowing for overclocking to achieve higher clock speeds. Overclocking can increase performance but also generates more heat and may void your warranty if not done correctly. Proceed with caution and at your own risk.

- **Requirements:** Overclocking requires a compatible X99 motherboard with robust power delivery, an effective high-performance cooling solution, and adequate power supply.
- **BIOS/UEFI Settings:** Adjust CPU core ratio, voltage, and other parameters within your motherboard's BIOS/UEFI interface.
- **Monitoring:** Use reliable software to monitor CPU temperature and stability during and after overclocking.
- **Stability Testing:** Thoroughly test system stability with stress testing software after any overclocking adjustments.

6. MAINTENANCE

The Intel Core i7-5820K processor itself requires minimal maintenance. However, maintaining the overall system environment is crucial for its longevity and performance.

- **Dust Removal:** Regularly clean your computer case and CPU cooler to prevent dust buildup, which can impede airflow and lead to higher temperatures. Use compressed air for this purpose.
- **Thermal Paste:** Over several years, thermal paste can dry out and become less effective. If you notice consistently high CPU temperatures, consider reapplying fresh thermal paste. This involves carefully removing the CPU cooler, cleaning off old paste, and applying new paste.
- **System Updates:** Keep your operating system, motherboard BIOS/UEFI, and drivers updated to ensure compatibility and access to performance improvements or bug fixes.

7. TROUBLESHOOTING

If you encounter issues with your system after installing the processor, consider the following troubleshooting steps:

- **No Power/No Display:**
 - Ensure all power cables (24-pin ATX, 8-pin CPU) are securely connected to the motherboard.
 - Verify that the CPU is correctly seated in its socket and the retention mechanism is fully closed.
 - Check that RAM modules are properly seated in their slots.
 - Consult your motherboard manual for POST (Power-On Self-Test) codes or diagnostic LEDs, which can indicate specific hardware issues.
- **System Instability/Crashes:**
 - Monitor CPU temperatures using software. High temperatures can lead to throttling or crashes. Ensure your CPU cooler is properly installed and functioning.
 - If overclocked, revert to default BIOS settings to rule out overclocking as the cause.
 - Run memory diagnostic tools to check for RAM issues.
- **Poor Performance:**
 - Ensure your operating system power plan is set to "High Performance."
 - Verify that all drivers, especially chipset drivers, are installed and up to date.
 - Check for background applications consuming excessive CPU resources.

If issues persist, consult your motherboard's support resources or Intel's official support channels.

8. SPECIFICATIONS

Feature	Specification
Processor Model	Intel Core i7-5820K
Item Model Number	BX80648I75820K
Cores	6
Threads	12

Feature	Specification
Base Clock Speed	3.3 GHz
Max Turbo Frequency	3.6 GHz
Cache	15 MB Intel Smart Cache
Socket Type	LGA2011-v3
Memory Types Supported	DDR4-2133
Max Memory Channels	4
PCIe Lanes	28
Thermal Design Power (TDP)	140 W
Processor Graphics	None (Requires discrete graphics card)
Product Dimensions (LxWxH)	5.5 x 5.5 x 2 inches
Item Weight	4.8 ounces
Date First Available	August 29, 2014

9. WARRANTY AND SUPPORT

For detailed warranty information, please refer to Intel's official website or the warranty documentation included with your purchase. Intel provides technical support for its products.

9.1. Legal Disclaimer

Please note that a 15% restocking fee may apply if the product is opened or used. A 10-day return policy is typically in effect. Review the specific terms and conditions of your retailer at the time of purchase.

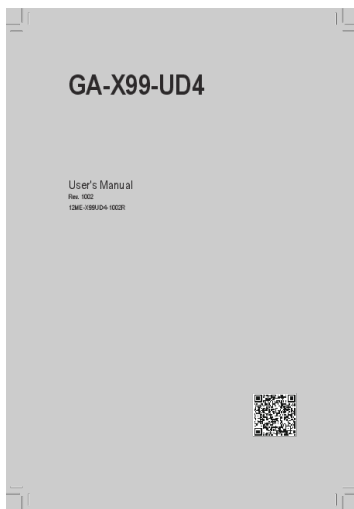
9.2. Contacting Support

For technical assistance, driver downloads, or further product information, visit the official Intel support website: [Intel Support Website](#)

Related Documents - i7-5820K

 Intel® Core™ i7 Processor Family for the LGA2011-3 Socket Thermal and Mechanical Design Guide (TMDG) Document ID: 322042-010 Intel® Core™ i7 Processor Family for the LGA2011-3 Socket Thermal and Mechanical Design Guide (TMDG) August 2014	Intel® Core™ i7 Processor Family LGA2011-3 Socket Thermal Mechanical Specification and Design Guide This technical specification and design guide from Intel details the thermal and mechanical requirements for the Intel® Core™ i7 Processor Family utilizing the LGA2011-3 Socket. It covers socket attributes, Independent Loading Mechanism (ILM), thermal profiles, heatsink design, and reliability standards for system designers.
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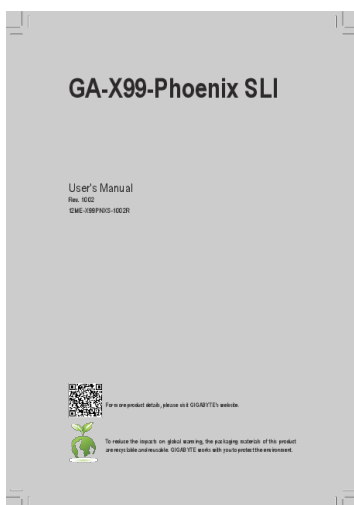
Intel Core i7-4790K Processor – User Manual Product Overview The Intel Core i7-4790K is a high-performance desktop processor featuring 4th Generation Intel® Turbo Boost Technology, up to 4.0 GHz, 14 nm Intel® Haswell architecture, 14 cores, 14 threads, and 31 MB of cache. The processor is designed for desktop use and is compatible with Intel® Desktop Boards. For more information, visit Intel.com. Technical Specifications <table><thead><tr><th>Specification</th><th>Value</th></tr></thead><tbody><tr><td>Processor Number</td><td>i7-4790K</td></tr><tr><td>L3 Cache</td><td>31 MB</td></tr><tr><td>Part Number</td><td>SR03W</td></tr><tr><td>Package</td><td>115-Pin LGA</td></tr><tr><td>Base Clock Frequency</td><td>4.0 GHz</td></tr><tr><td>Cache</td><td>31 MB Intel® Smart Cache</td></tr><tr><td>Max TDP</td><td>88 W</td></tr><tr><td>Max Power</td><td>130 W</td></tr><tr><td>Max Voltage</td><td>1.2 V</td></tr><tr><td>Max Current</td><td>10 A</td></tr><tr><td>Max Power Consumption</td><td>88 W</td></tr><tr><td>Max Power Consumption (TDP)</td><td>88 W</td></tr><tr><td>Max Power Consumption (TDP + 100%)</td><td>130 W</td></tr><tr><td>Max Power Consumption (TDP + 100% + 100%)</td><td>130 W</td></tr></tbody></table>	Specification	Value	Processor Number	i7-4790K	L3 Cache	31 MB	Part Number	SR03W	Package	115-Pin LGA	Base Clock Frequency	4.0 GHz	Cache	31 MB Intel® Smart Cache	Max TDP	88 W	Max Power	130 W	Max Voltage	1.2 V	Max Current	10 A	Max Power Consumption	88 W	Max Power Consumption (TDP)	88 W	Max Power Consumption (TDP + 100%)	130 W	Max Power Consumption (TDP + 100% + 100%)	130 W	Intel Core i7-4790K Processor User Manual and Technical Specifications Comprehensive user manual and technical specifications for the Intel Core i7-4790K desktop processor, codenamed Haswell. Includes product overview, installation guide, overclocking guidelines, and troubleshooting tips for PC enthusiasts and builders.
Specification	Value																														
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Intel Desktop Processor Warranty (English) (United States) Read the Intel Desktop Processor Warranty (English) (United States) document to learn more about the warranty coverage for Intel desktop processors. The warranty covers the processor and its components, and provides information on how to claim the warranty. For more information, visit Intel.com. What should I do prior to installing the processor? Read the Intel Desktop Processor Warranty (English) (United States) document to learn more about the warranty coverage for Intel desktop processors. The warranty covers the processor and its components, and provides information on how to claim the warranty. For more information, visit Intel.com.	Intel Desktop Processor Warranty FAQ: Eligibility, Exchange, and Troubleshooting Comprehensive FAQ guide on Intel desktop processor warranties. Covers eligibility for boxed vs. OEM processors, warranty exchange procedures, troubleshooting steps, and identification of engineering samples. Get answers to common warranty questions for Intel CPUs.																														
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Intel Product Change Notification 853587-00: Boxed Processor Updates Read the Intel Product Change Notification 853587-00: Boxed Processor Updates document to learn more about updates to Intel Boxed Processor manuals, Single Point of Contact (SPoC) details, and China RoHS compliance tables, affecting various Intel Core and Xeon processors. For more information, visit Intel.com.	Intel Product Change Notification 853587-00: Boxed Processor Updates Notification regarding updates to Intel Boxed Processor manuals, Single Point of Contact (SPoC) details, and China RoHS compliance tables, affecting various Intel Core and Xeon processors.																														



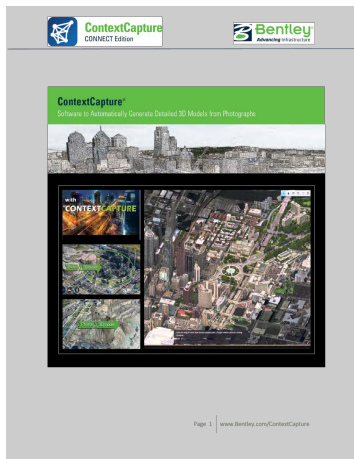
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 GA X99 UD4 Quiet PC motherboard ☒ Motherboard driver disk User s Manual Quick Installation Guide
 Four SATA cables I O Shield ga x99 ud4 quietpc instructions gigabyte
 GA-X99-UD4 User s Manual Rev. 1002 12ME-X99UD4-1002R Motherboard GA-X99-UD4 Aug. 15, 2014 Motherb ... 1 slot. When the PCIE_4 slot is populated, the PCIE_1 slot will operate at up to x8 mode. * When an i7-5820K CPU is installed, the PCIE_2 slot operates at up to x8 mode and the PCIE_3 operates at up t...
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[\[pdf\]](#) Instructions Guide Configuration Guide
 AJ 10GbE Network Configuration Guide for SM200C Operation Sonnet Solo10G SFP Thunderbolt 3
 Edition These instructions assumes you have already installed a NIC or are using thunderbolt
 signalhound sig SM200A
 10GbE Network Configuration Guide for SM200C Operation. 10GbE Network Configuration Guide Publishe ... laptop form factor Win . Intel Core i7-7820HQ processor in laptop form factor Win . Intel Core i7-5820K processor in desktop form factor Win . o This CPU worked for all measurements except full ...
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 GA X99 Phoenix SLI Gigabyte May 31 2016 — motherboard ☒ Motherboard driver disk Wireless module
 User s Manual Quick Installation Guide mb manual ga x99 phoenix sli e gigabyte FileList
 GA-X99-Phoenix SLI User s Manual Rev. 1002 12ME-X99PNXS-1002R For more product details, please visit ... hics cards, it is recommended that you install them in the PCIE16_1 and PCIE16_2 slots. * When an i7-5820K or i7-6800K CPU is installed, the PCIE16_2 slot operates at up to x8 mode. 2 x PCI Express...
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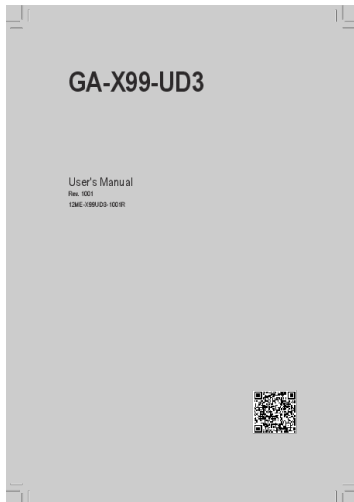


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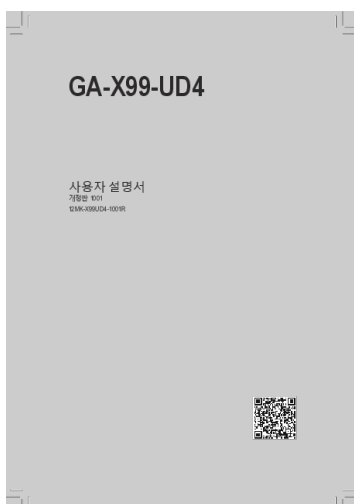
www.Bentley.com/ContextCapture ... f cores and the fastest speed possible CPU: Central Processing Unit Intel Core I7-4770 Intel Core **I7-5820K** Intel Core I7-6900K Using gaming graphics cards is recommended. Though ContextCapture can ... lang:en **score:30** filesize: 1.59 M page_count: 34 document date: 2017-03-15



[GIGABYTE GA-X99-UD3 Motherboard User's Manual](#)

This comprehensive user's manual guides users through the installation, configuration, and operation of the GIGABYTE GA-X99-UD3 motherboard. It covers hardware installation, BIOS setup, storage management, and regulatory compliance for optimal system performance.

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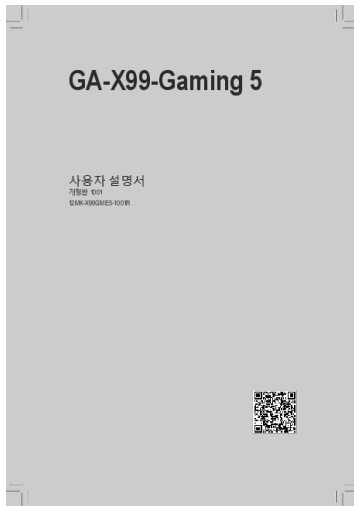


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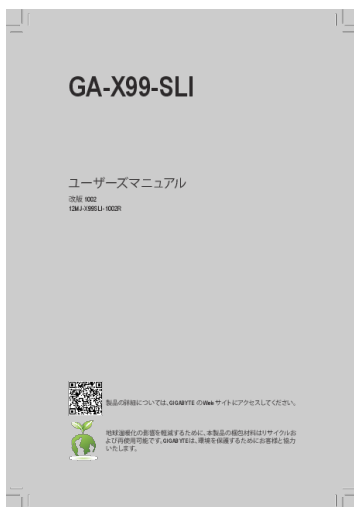
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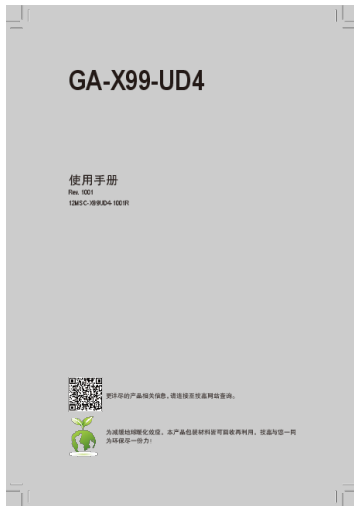


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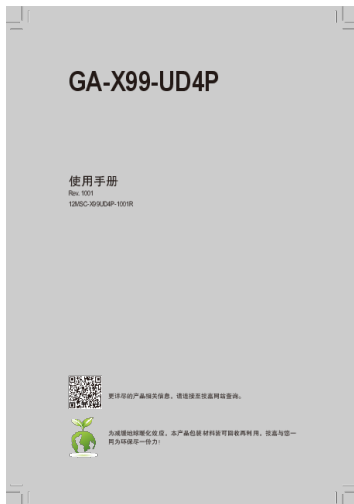


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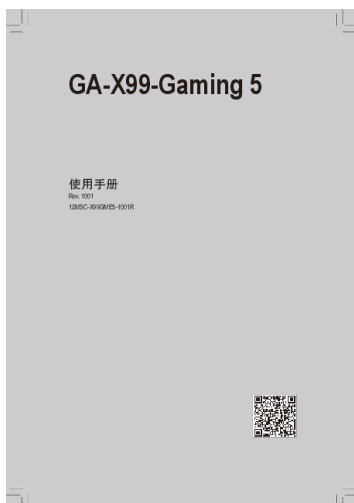


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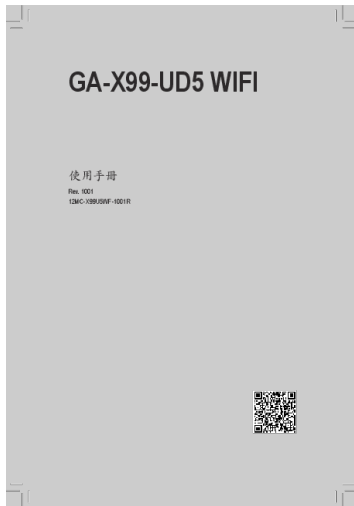


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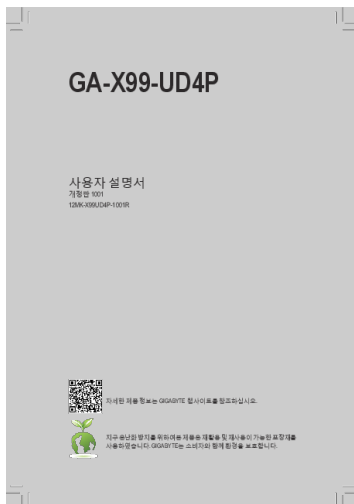


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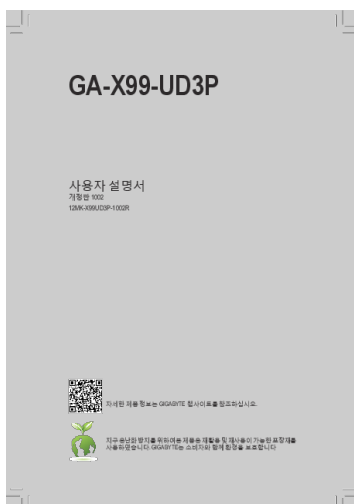


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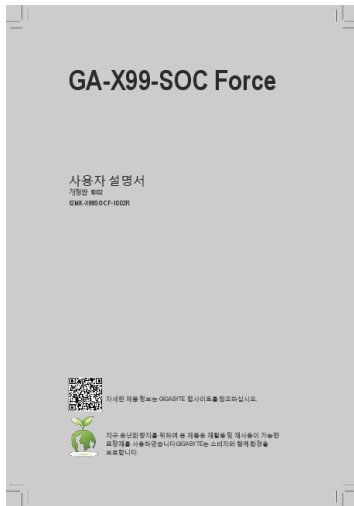


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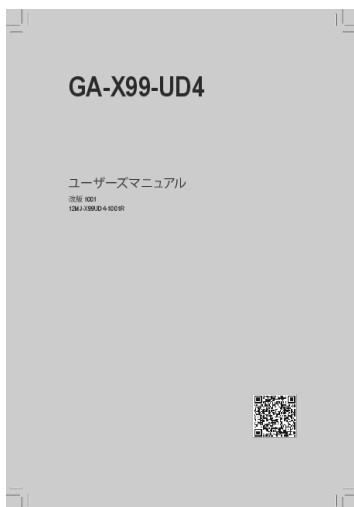


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mb manual ga x99 soc force k gigabyte FileList Manual

1002 12MK-X99SOCF-1002R GIGABYTE . .GIGABYTE . Motherboard GA-X99-SOC Force ... 2 . x8 PCIE_3, PCIE_4 , PCI Express x16 2 * PCIE_4 PCIE_1 . PCIE_4 PCIE_1 x8 . * i7-5820K CPU PCIE_2 x8 PCIE_3 x4 . PCI Express x16 PCI Express 3.0 . PCI Express x...

lang:pt **score:28** filesize: 62.13 M page_count: 128 document date: 2016-01-11

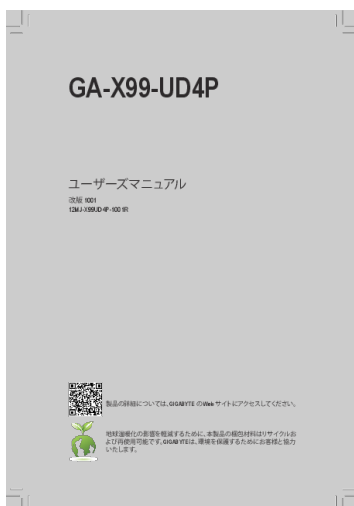


[\[pdf\]](#) User Manual

mb manual ga x99 ud4 j gigabyte FileList Manual

GA-X99-UD4 1001 12MJ-X99UD4-1001R Motherboard GA-X99-UD4 Aug. 15, 2014 Motherboard GA-X99-UD4 A ... CI Express2 PCIE_1PCIE_2 PCI Express x16 x2 x8 PCIE_3, PCIE_4 * PCIE_4PCIE_1PCIE_4 PCIE_1x8 * i7-5820K CPU PCIE_2 8 PCIE_3 4 PCI Express x16PCI Express 3.0 PCI Express x1 x3 PCI Express...

lang:de **score:28** filesize: 55.03 M page_count: 128 document date: 2015-01-12

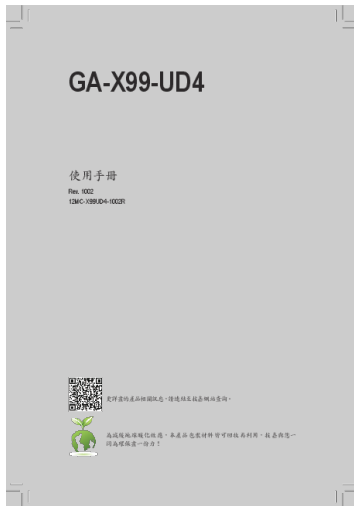


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mb manual ga x99 ud4p j gigabyte FileList Manual

GA-X99-UD4P 1001 12MJ-X99UD4P-1001R GIGABYTE Web GIGABYTE Motherboard GA-X99-UD4PPP Jan. 30, ... CI Express2 PCIE_1PCIE_2 PCI Express x16 x2 x8 PCIE_3, PCIE_4 * PCIE_4PCIE_1PCIE_4 PCIE_1x8 * i7-5820K CPU PCIE_2 8 PCIE_3 4 PCI Express x16PCI Express 3.0 PCI Express x1 x3 PCI Express...

lang:de **score:28** filesize: 56.62 M page_count: 128 document date: 2016-01-28

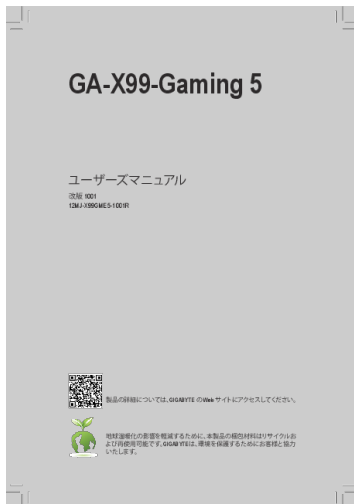


[\[pdf\]](#) User Manual

mb manual ga x99 ud4 c gigabyte FileList Manual

GA-X99-UD4 Rev. 1002 12MC-X99UD4-1002R df dd I Motherboard GA-X99-UD4 Aug. 15, 2014 Motherboard ... _2 * dPCIE_1d dPCIE_1PCIE_2f 2PCI Express x16dx8 PCIE_3/PCIE_4 * PCIE_4PCIE_1dPCIE_4 dPCIE_1x8f * i7-5820K CPUdPCIE_2x8dPCIE_3 x4f PCI Express x16PCI Express 3.0 3PCI Express x1 PCI Express x1PCI...

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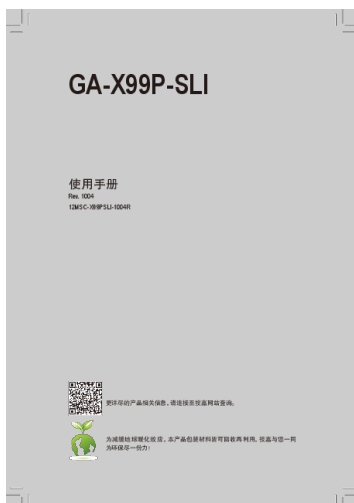


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mb manual ga x99 gaming5 j gigabyte FileList Manual

GA-X99-Gaming 5 1001 12MJ-X99GME5-1001R GIGABYTE Web GIGABYTE Motherboard GA-X99-Gaming 5 Au ... PCI Express2PCIE_1 PCIE_2 PCI Express x16 x2 x8 PCIE_3/PCIE_4 * PCIE_4PCIE_1PCIE_4 PCIE_1x8 * i7-5820K CPU PCIE_2 8 PCIE_3 4 PCI Express x16PCI Express 3.0 PCI Express x1 x3 PCI Expres...

lang:tl **score:28** filesize: 55.7 M page_count: 128 document date: 2016-01-22



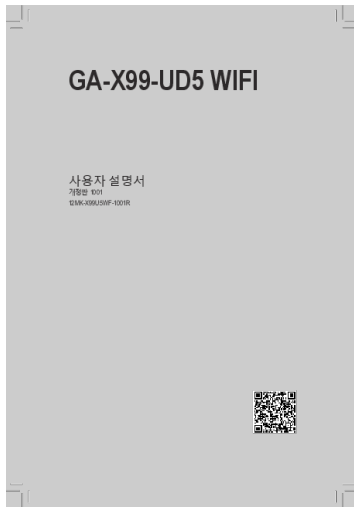
[\[pdf\]](#) User Manual

GA X99P SLI mb manual ga x99p sli sc v d4c53f37105c6dfc52336fa5bcc985ef 1 gigabyte Files Manual

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GA-X99P-SLI Rev. 1004 12MSC-X99PSLI-1004R Motherboard GA-X99P-SLI Nov. 12, 2015 Motherboard G ... PCIE_2 2PCI Express x16x8 PCIE_3/PCIE_4 * PCIE_4PCIE_1PCIE_3PCIE_2 PCIE_4/PCIE_3PCIE_1/PCIE_2x8 * i7-5820K CPUdPCIE_2x8 PCI Express x16PCI Express 3.0 2PCI Express x1 PCI Express x1PCI Express 2.0...

lang:de **score:27** filesize: 40.82 M page_count: 84 document date: 2016-06-01



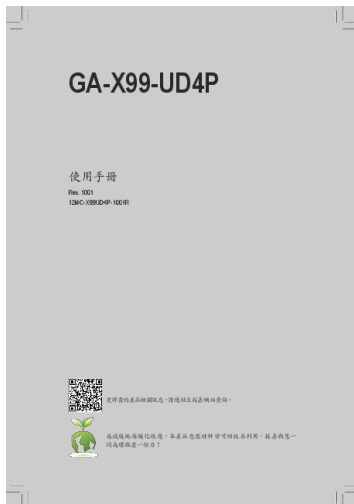
[\[pdf\]](#) User Manual

mb manual ga x99 ud5 wifi k gigabyte FileList Manual |||

1001 12MK-X99U5WF-1001R Motherboard GA-X99-UD5 WIFI Aug. 15, 2014

Motherboard GA-X99-UD5 ... PCIE_2 . x8 PCIE_3, PCIE_4 , PCI Express x16 2 *
PCIE_4 PCIE_1 . PCIE_4 PCIE_1 x8 . * i7-5820K CPU PCIE_2 x8 PCIE_3 x4 . PCI
Express x16 PCI Express 3.0 . PCI Express x1 3 ...

lang:de **score:27** filesize: 88.56 M page_count: 128 document date: 2016-02-23



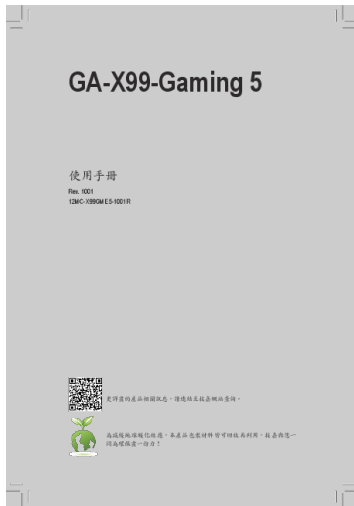
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mb manual ga x99 ud4p c gigabyte FileList Manual

GA-X99-UD4P Rev. 1001 12MC-X99UD4P-1001R df dd I Motherboard GA-X99-

UD4P Jan. 30, 2015 Motherboa ... _2 * dPCIE_1d dPCIE_1PCIE_2f 2PCI Express
x16dx8 PCIE_3/PCIE_4 * PCIE_4PCIE_1dPCIE_4 dPCIE_1x8f * i7-5820K
CPUdPCIE_2x8dPCIE_3 x4f PCI Express x16PCI Express 3.0 3PCI Express x1 PCI
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lang:af **score:27** filesize: 57.11 M page_count: 128 document date: 2016-01-25

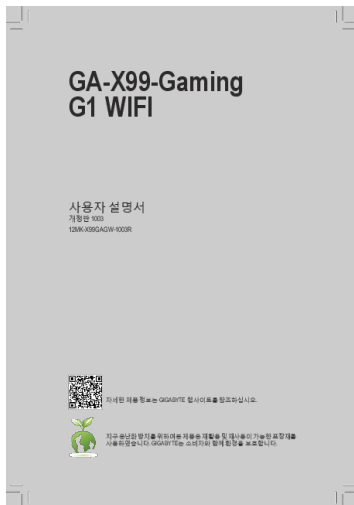


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mb manual ga x99 gaming5 c gigabyte FileList Manual

GA-X99-Gaming 5 Rev. 1001 12MC-X99GME5-1001R df dd I Motherboard GA-X99-Gaming 5 Aug. 15, 2014 M ... _2 * dPCIE_1d dPCIE_1PCIE_2f 2PCI Express x16dx8 PCIE_3/PCIE_4 * PCIE_4PCIE_1dPCIE_4 dPCIE_1x8f * i7-5820K CPUdPCIE_2x8dPCIE_3 x4f PCI Express x16PCI Express 3.0 3PCI Express x1 PCI Express x1PCI...

lang:tl score:27 filesize: 56.38 M page_count: 128 document date: 2016-01-22

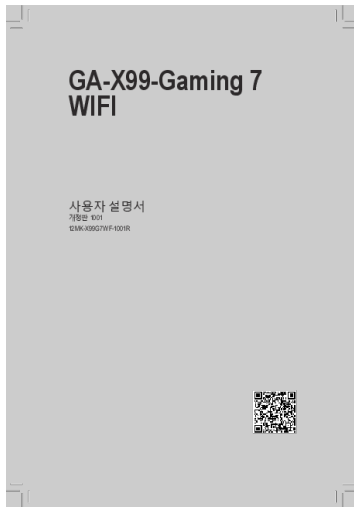


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mb manual ga x99 gaming g1 wifi k gigabyte FileList Manual |||

1003 12MK-X99GAGW-1003R GIGABYTE . . GIGABYTE . Motherboard GA-X99-Gaming ... CIE_2 . x8 PCIE_3, PCIE_4 , PCI Express x16 2 * PCIE_4 PCIE_1 . PCIE_4 PCIE_1 x8 . * i7-5820K CPU PCIE_2 x8 PCIE_3 x4 . PCI Express x16 PCI Express 3.0 . PCI Express x1 3...

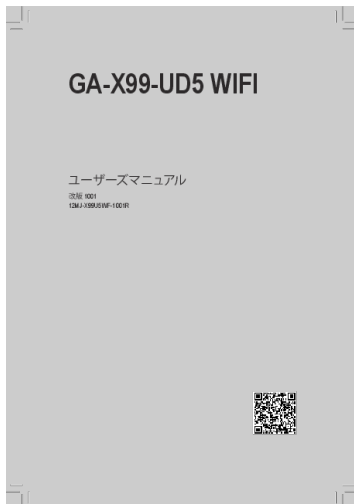
lang:tl score:27 filesize: 60.94 M page_count: 136 document date: 2016-01-06



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mb manual ga x99 gaming7 wifi k v 838a9ac6ad5cbe5dcdf2a2cefd471a10 gigabyte FileList Manual |||
1001 12MK-X99G7WF-1001R Motherboard GA-X99-Gaming 7 WIFI Aug. 15, 2014
Motherboard GA-X ... CIE_2 . x8 PCIE_3, PCIE_4 , PCI Express x16 2 * PCIE_4
PCIE_1 . PCIE_4 PCIE_1 x8 . * i7-5820K CPU PCIE_2 x8 PCIE_3 x4 . PCI Express
x16 PCI Express 3.0 . PCI Express x1 3 ...

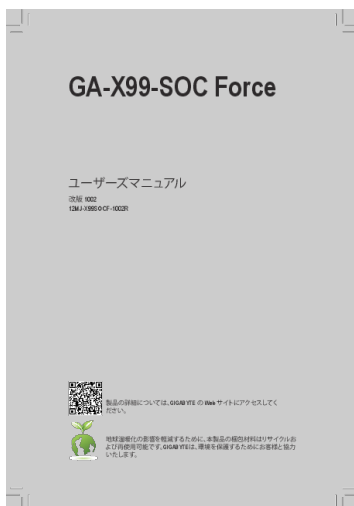
lang:tl **score:27** filesize: 60.74 M page_count: 136 document date: 2016-02-26



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mb manual ga x99 ud5 wifi j gigabyte FileList Manual |||
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Aug. 15, 2014 Motherboard ... 1 PCI Express2PCIE_1 PCIE_2 PCI Express x16 x2 x8
PCIE_3PCIE_4 * PCIE_4PCIE_1PCIE_4 PCIE_1x8 * i7-5820K CPU PCIE_2 8
PCIE_3 4 PCI Express x16PCI Express 3.0 PCI Express x1 x3 PCI Expre...

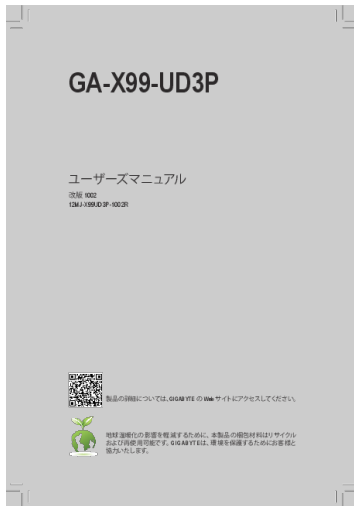
lang:de **score:27** filesize: 149.72 M page_count: 128 document date: 2016-02-23



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mb manual ga x99 soc force j gigabyte FileList Manual
GA-X99-SOC Force 1002 12MJ-X99SOCF-1002R GIGABYTE Web GIGABYTE
Motherboard GA-X99-SOC Force ... 2 PCIE_1 PCIE_2 PCI Express x16 x2 x8
PCIE_3, PCIE_4 * PCIE_4 PCIE_1 PCIE_4 PCIE_1 x8 * i7-5820K CPU PCIE_2 8
PCIE_3 4 PCI Express x16 PCI Express 3.0 PCI Express x1 x3 PCI...

lang:fr **score:27** filesize: 62.5 M page_count: 128 document date: 2016-01-11



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mb manual ga x99 ud3p j v 571f43a82fb3beca5c98df116b6fa979 gigabyte FileList Manual |||

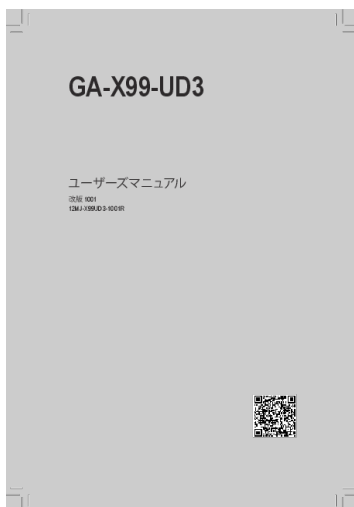
GA-X99-UD3P 1002 12MJ-X99UD3P-1002R GIGABYTE Web GIGABYTE

Motherboard GA-X99-UD3P Jan. 30, ... PCI Express2PCIE_1 PCIE_2 PCI Express

x16 x2 x8 PCIE_3, PCIE_4 * PCIE_4PCIE_1PCIE_4 PCIE_1x8 * i7-5820K CPU

PCIE_2 8 PCIE_3 4 PCI Express x16PCI Express 3.0 PCI Express x1 x3 PCI Expre...

lang:de score:27 filesize: 34.76 M page_count: 88 document date: 2016-01-13



[\[pdf\]](#) User Manual

mb manual ga x99 ud3 j v 5624f9d3180c7f577e2b58a086614b08 gigabyte FileList Manual |||

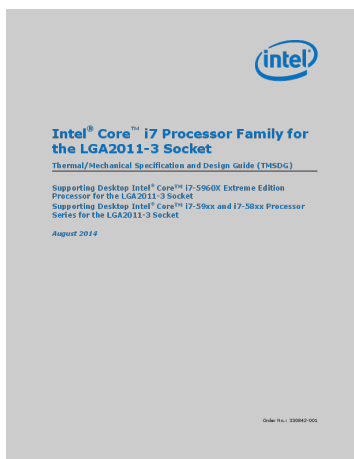
GA-X99-UD3 1001 12MJ-X99UD3-1001R Motherboard GA-X99-UD3 Aug. 22, 2014

Motherboard GA-X99-UD3 A ... PCI Express2PCIE_1 PCIE_2 PCI Express x16 x2 x8

PCIE_3, PCIE_4 * PCIE_4PCIE_1PCIE_4 PCIE_1x8 * i7-5820K CPU PCIE_2 8

PCIE_3 4 PCI Express x16PCI Express 3.0 PCI Express x1 x3 PCI Expre...

lang:de score:27 filesize: 33.94 M page_count: 88 document date: 2016-01-14



[Intel® Core™ i7 Processor Family LGA2011-3 Socket Thermal Mechanical Specification and Design Guide](#)

This technical specification and design guide from Intel details the thermal and mechanical requirements for the Intel® Core™ i7 Processor Family utilizing the LGA2011-3 Socket. It covers socket attributes, Independent Loading Mechanism (ILM), thermal profiles, heatsink design, and reliability standards for system designers.

lang:en score:27 filesize: 8.27 M page_count: 57 document date: 2014-08-27

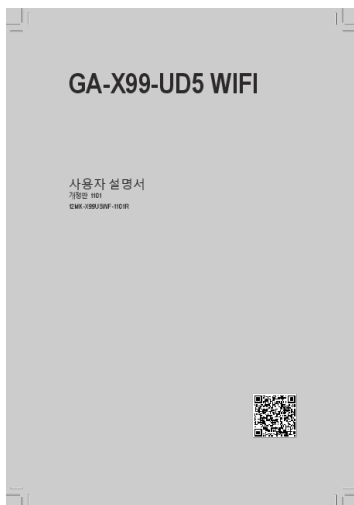


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mb manual ga x99 gaming g1 wifi sc gigabyte FileList Manual |||

GA-X99-Gaming G1 WIFI Rev. 1003 12MSC-X99GAGW-1003R Motherboard GA-X99-Gaming G1 WIFI Aug. 15, ... E_1/PCIE_2 * PCIE_1 PCIE_1PCIE_2 2PCI Express x16x8 PCIE_3/PCIE_4 * PCIE_4PCIE_1PCIE_4 PCIE_1x8 * i7-5820K CPU PCIE_2x8PCIE_3 x4 PCI Express x16PCI Express 3.0 3PCI Express x1 PCI Express x1PCI Ex...

lang:tl score:27 filesize: 56.33 M page_count: 136 document date: 2016-01-06



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mb manual ga x99 ud5 wifi v1 1 k v 174e85b2c4594ede4cd2941b02bd5725 gigabyte FileList Manual |||

1101 12MK-X99U5WF-1101R Motherboard GA-X99-UD5 WIFI Aug. 15, 2014 Motherboard GA-X99-UD5 ... PCIE_2 . x8 PCIE_3, PCIE_4 , PCI Express x16 2 * PCIE_4 PCIE_1 . PCIE_4 PCIE_1 x8 . * i7-5820K CPU PCIE_2 x8 PCIE_3 x4 . PCI Express x16 PCI Express 3.0 . PCI Express x1 3 ...

lang:de score:27 filesize: 88.4 M page_count: 128 document date: 2015-01-20

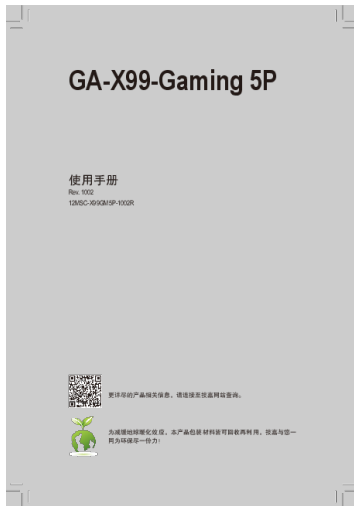


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mb manual ga x99 gaming7 wifi j v 507b4ad33049342f3ad016f198cf8fa7 gigabyte FileList Manual |||

GA-X99-Gaming 7 WIFI 1001 12MJ-X99G7WF-1001R Motherboard GA-X99-Gaming 7 WIFI Aug. 15, 2014 Mo ... PCI Express2PCIE_1 PCIE_2 PCI Express x16 x2 x8 PCIE_3, PCIE_4 * PCIE_4PCIE_1PCIE_4 PCIE_1x8 * i7-5820K CPU PCIE_2 8 PCIE_3 4 PCI Express x16PCI Express 3.0 PCI Express x1 x3 PCI Expre...

lang:tl score:27 filesize: 60.8 M page_count: 136 document date: 2016-02-26

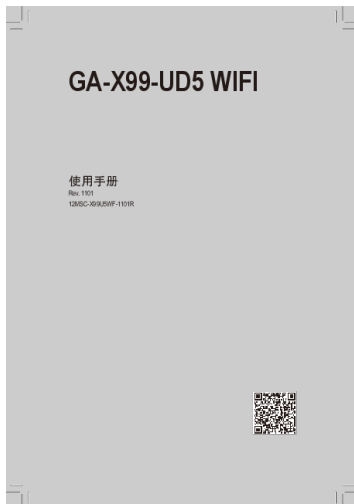


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GA X99 Gaming 5P mb manual ga x99 gaming 5p sc v 825954c02709d8dd2d0c44aae331a013 1
gigabyte Files Manual |||

GA-X99-Gaming 5P Rev. 1002 12MSC-X99GM5P-1002R Motherboard GA-X99-Gaming 5P Jan. 30, 2015 Mot ... E_1/PCIE_2 * PCIE_1 PCIE_1PCIE_2 2PCI Express x16x8 PCIE_3/PCIE_4 * PCIE_4PCIE_1PCIE_4 PCIE_1x8 * i7-5820K CPU PCIE_2x8PCIE_3 x4 PCI Express x16PCI Express 3.0 3PCI Express x1 PCI Express x1PCI Ex...

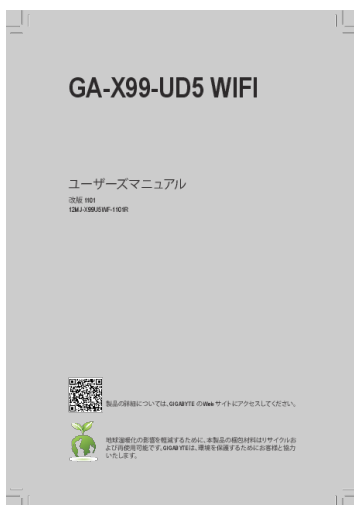
lang:tl **score:27** filesize: 52.7 M page_count: 132 document date: 2016-01-19



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mb manual ga x99 ud5 wifi v1 1 sc v 2959dccfc8bc44e7a942a6d11a011898 gigabyte FileList Manual |||
GA-X99-UD5 WIFI Rev. 1101 12MSC-X99U5WF-1101R Motherboard GA-X99-UD5 WIFI Aug. 15, 2014 /: Mothe ... CIE_1PCIE_2 * PCIE_1 PCIE_1PCIE_2 2PCI Express x16x8 PCIE_3PCIE_4 * PCIE_4PCIE_1PCIE_4 PCIE_1x8 * i7-5820K CPU PCIE_2x8PCIE_3 x4 PCI Express x16PCI Express 3.0 3PCI Express x1 PCI Express x1PCI Ex...

lang:de **score:26** filesize: 84.38 M page_count: 132 document date: 2016-02-23



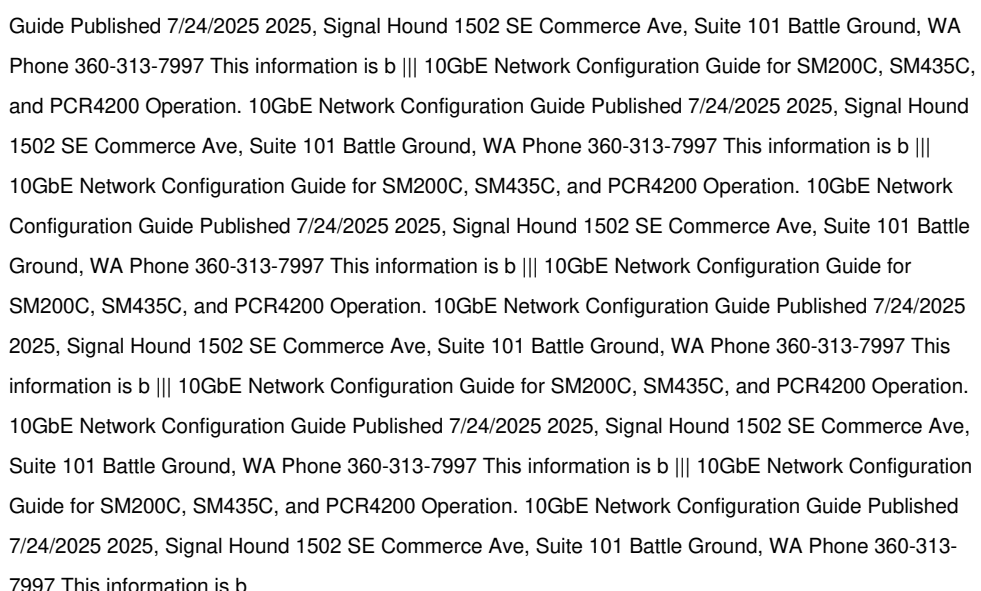
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mb manual ga x99 ud5 wifi v1 1 j v bcf053cb14ff7c330f32ec03a59842a3 gigabyte FileList Manual |||
GA-X99-UD5 WIFI 1101 12MJ-X99U5WF-1101R GIGABYTE Web GIGABYTE Motherboard GA-X99-UD5 WIFI Au ... 1 PCI Express2PCIE_1 PCIE_2 PCI Express x16 x2 x8 PCIE_3PCIE_4 * PCIE_4PCIE_1PCIE_4 PCIE_1x8 * i7-5820K CPU PCIE_2 8 PCIE_3 4 PCI Express x16PCI Express 3.0 PCI Express x1 x3 PCI Expre...

lang:de **score:26** filesize: 59.23 M page_count: 128 document date: 2016-02-22

AJ 10GbE Network Configuration Guide for SM200C and SM435C May 22 2023 · The steps outlined in the Steps section will allow you to permanently set network configuration meaning is srsItd AfmBOorSXuFwecGlZ7Oxfiv4MZrr1F0KQvYrOkkrGLk0hsN3k2wHBt1q signalhound sig SM200A and10GbE andTo change settings IP port of Signal Hound networked device there are 2 primary approaches Page 11 Windows Setup 1 to a PC is through PCIE interface card NIC or Thunderbolt 3 SFP PCI E X4 followed by standard E May is 10GbE AfmBOooLALaoVoCj7B2kmryX Zcx381kkXVqSMEDXN8ELei4iP8UoKB10GbE

AfmBOoqA3oDx2HXZlJhU8J6J2JkpHysnn RCke4x41rtM8xul6H4umvsignalhound internet 3 Changing
Device Settings Port uniquely identifies No two May AfmBOoq7QNldQOFCfSox1vr7tOvxUz12HYO
Wmy0d5 XR6BwsPXaNjE6signalhound two Figure 4 Multi mode fiber with SR modules one attached not
an on May AfmBOopnceSD1VSF7nmc5C3RfkCYx4ERMWFBYMWZvkikEK5VaBPSOqx3signalhound
on Dell XPS 15 9570 laptop using both TB3 adapters Win Dell 8930 desktop Intel i7 8700 X722 Dell May
AfmBOorfnNzcsHie5Td4ujHRWjjgoqUErOdbK6NqD7ldKMMGP78qzfaPsignalhound ||| ||| 10GbE Network
Configuration Guide for SM200C, SM435C, and PCR4200 Operation. 10GbE Network Configuration



lang:en score:26 filesize: 1.79 M page count: 30 document date: 2025-07-24

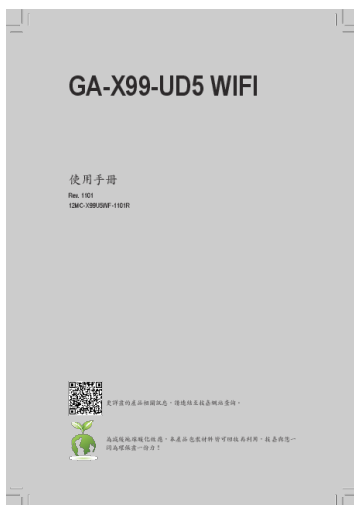


[\[pdf\]](#) User Manual

GA X99 Gaming G1 WIFI mb manual ga x99 gaming g1 wifi j gigabyte FileList Manual |||

GA-X99-Gaming G1 WIFI 1003 12MJ-X99GAGW-1003R GIGABYTE Web GIGABYTE Motherboard GA-X99-Gami ... PCI Express2PCI_E_1 PCI_E_2 PCI Express x16 x2 x8 PCI_E_3, PCI_E_4 * PCI_E_4PCI_E_1PCI_E_4 PCI_E_1x8 * i7-5820K CPU PCI_E_2 8 PCI_E_3 4 PCI Express x16PCI Express 3.0 PCI Express x1 x3 PCI Expre...

lang:tl score:26 filesize: 61.33 M page_count: 136 document date: 2016-01-04

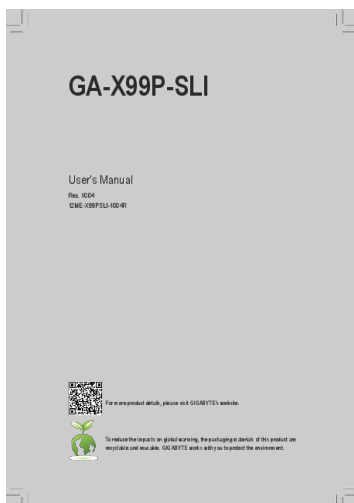


[\[pdf\]](#) User Manual

mb manual ga x99 ud5 wifi v1 1 c v 3218f138f70e50c030679117baba1a39 gigabyte FileList Manual |||

GA-X99-UD5 WIFI Rev. 1101 12MC-X99U5WF-1101R df dd I Motherboard GA-X99-UD5 WIFI Aug. 15, 2014 / ... _2 * dPCI_E_1d dPCI_E_1PCI_E_2f 2PCI Express x16dx8 PCI_E_3/PCI_E_4 * PCI_E_4PCI_E_1dPCI_E_4 dPCI_E_1x8f * i7-5820K CPUdPCI_E_2x8dPCI_E_3 x4f PCI Express x16PCI Express 3.0 3PCI Express x1 PCI Express x1PCI...

lang:de score:26 filesize: 59.77 M page_count: 132 document date: 2016-02-19

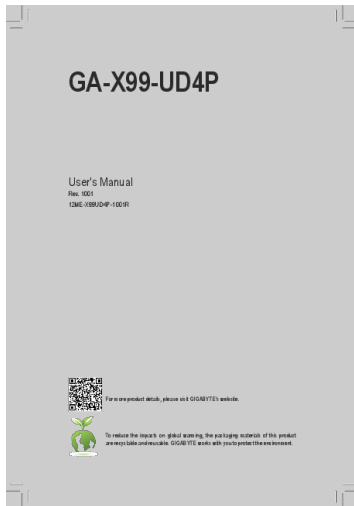


[\[pdf\]](#) User Manual Installation Guide Specifications Documentation Guide

mb manual ga x99p sli e gigabyte FileList Manual

GA-X99P-SLI User s Manual Rev. 1004 12ME-X99PSLI-1004R For more product details, please visit GIGABYTE ... he PCI_E_4/PCI_E_3 slot is populated, the PCI_E_1/PCI_E_2 slot will operate at up to x8 mode. * When an i7-5820K CPU is installed, the PCI_E_2 slot operates at up to x8 mode All of the PCI Express x16 slo...

lang:en score:25 filesize: 41.65 M page_count: 88 document date: 2016-04-08

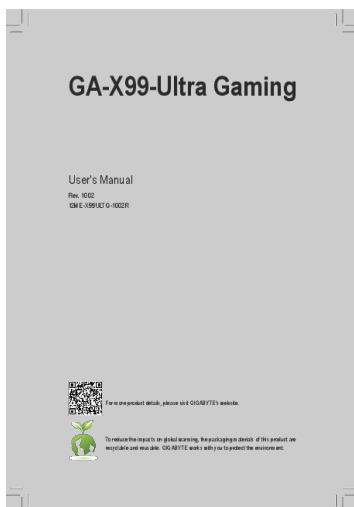


[\[pdf\]](#) User Manual Installation Guide Specifications Documentation Guide

mb manual ga x99 ud4p e gigabyte FileList Manual

GA-X99-UD4P User's Manual Rev. 1001 12ME-X99UD4P-1001R For more product details, please visit GIGABYTE ... 1 slot. When the PCIe_4 slot is populated, the PCIe_1 slot will operate at up to x8 mode. * When an i7-5820K CPU is installed, the PCIe_2 slot operates at up to x8 mode and the PCIe_3 operates at up to x4 mode.

lang:en score:23 filesize: 56.53 M page_count: 128 document date: 2016-01-27

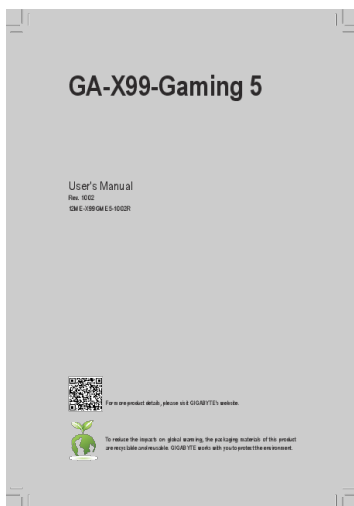


[\[pdf\]](#) User Manual Installation Guide Specifications Documentation Guide

mb manual ga x99 ultra gaming e gigabyte FileList Manual

GA-X99-Ultra Gaming User's Manual Rev. 1002 12ME-X99ULTG-1002R For more product details, please visit GIGABYTE ... hics cards, it is recommended that you install them in the PCIe16_1 and PCIe16_2 slots. * When an i7-5820K or i7-6800K CPU is installed, the PCIe16_2 slot operates at up to x8 mode. 2 x PCI Express...

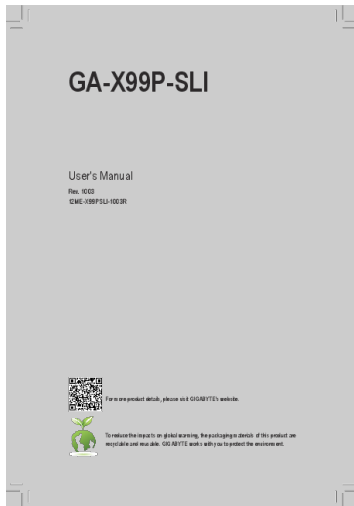
lang:en score:23 filesize: 48.85 M page_count: 128 document date: 2016-07-04



[GIGABYTE GA-X99-Gaming 5 Motherboard User's Manual](#)

Comprehensive user's manual for the GIGABYTE GA-X99-Gaming 5 motherboard, covering hardware installation, BIOS setup, driver installation, unique features, and troubleshooting. Includes product specifications and regulatory information.

lang:en score:23 filesize: 55.44 M page_count: 128 document date: 2016-01-28

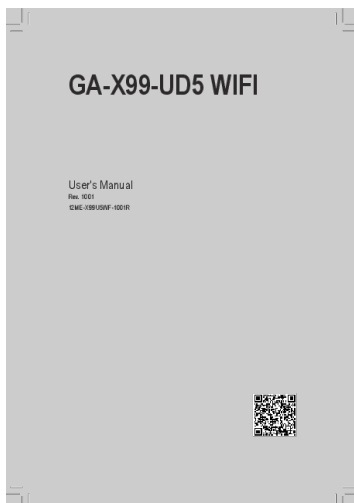


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Handleiding Gigabyte GA X99P SLI ATX MB Intel X99 LGA2011 v3 DDR4 123pc nl 48384092 9731 manual s icecat biz |||

GA-X99P-SLI User s Manual Rev. 1003 12ME-X99PSLI-1003R For more product details, please visit GIGABYTE ... 1 slot. When the PCIE_4 slot is populated, the PCIE_1 slot will operate at up to x8 mode. *When an i7-5820K CPU is installed, the PCIE_2 slot operates at up to x8 mode All of the PCI Express x16 slo...

lang:en score:23 filesize: 41.14 M page_count: 88 document date: 2016-03-15

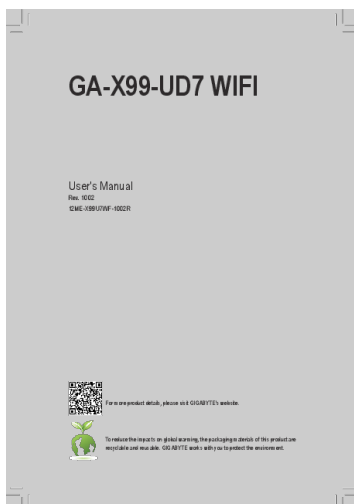


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GA-X99-UD5 WIFI User s Manual Rev. 1001 12ME-X99U5WF-1001R Motherboard GA-X99-UD5 WIFI Aug. 15, 20 ... 1 slot. When the PCIE_4 slot is populated, the PCIE_1 slot will operate at up to x8 mode. * When an i7-5820K CPU is installed, the PCIE_2 slot operates at up to x8 mode and the PCIE_3 operates at up t...

lang:en score:23 filesize: 88.68 M page_count: 128 document date: 2016-02-23

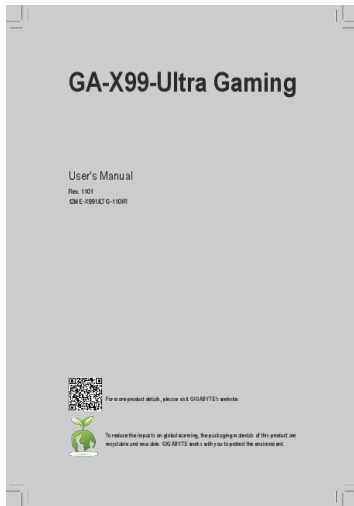


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GA-X99-UD7 WIFI User s Manual Rev. 1002 12ME-X99U7WF-1002R For more product details, please visit GI ... 1 slot. When the PCIE_4 slot is populated, the PCIE_1 slot will operate at up to x8 mode. * When an i7-5820K CPU is installed, the PCIE_2 slot operates at up to x8 mode and the PCIE_3 operates at up t...

lang:en score:23 filesize: 58.31 M page_count: 128 document date: 2016-01-05

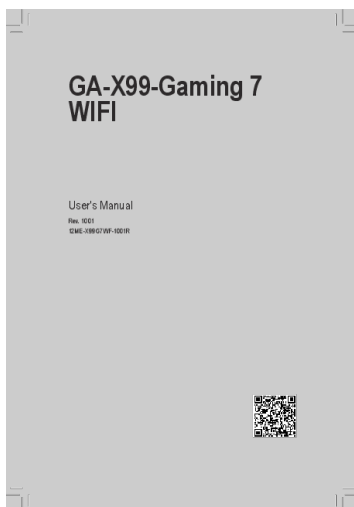


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GA-X99-Ultra Gaming User s Manual Rev. 1101 12ME-X99ULTG-1101R For more product details, please visi ... hics cards, it is recommended that you install them in the PCIEX16_1 and PCIEX16_2 slots. * When an i7-5820K or i7-6800K CPU is installed, the PCIEX16_2 slot operates at up to x8 mode. 2 x PCI Express...

lang:en **score:23** filesize: 49.18 M page_count: 128 document date: 2016-08-24



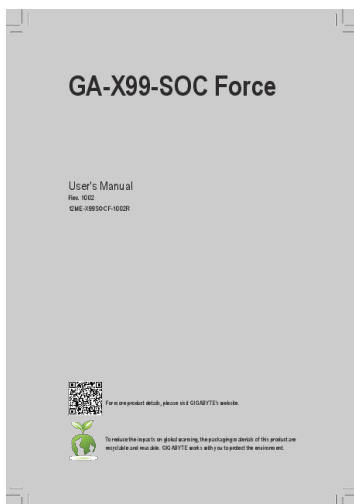
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GA-X99-Gaming 7 WIFI User s Manual Rev. 1001 12ME-X99G7WF-1001R

Motherboard GA-X99-Gaming 7 WIFI A ... 1 slot. When the PCIE_4 slot is populated, the PCIE_1 slot will operate at up to x8 mode. * When an i7-5820K CPU is installed, the PCIE_2 slot operates at up to x8 mode and the PCIE_3 operates at up t...

lang:en **score:23** filesize: 61.5 M page_count: 136 document date: 2016-02-26



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GA-X99-SOC Force User s Manual Rev. 1002 12ME-X99SOCF-1002R For more

product details, please visit G ... 1 slot. When the PCIE_4 slot is populated, the PCIE_1 slot will operate at up to x8 mode. * When an i7-5820K CPU is installed, the PCIE_2 slot operates at up to x8 mode and the PCIE_3 operates at up t...

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