

Intel i9-9900X

Intel Core i9-9900X X-Series Processor User Manual

Model: i9-9900X | Brand: Intel

1. INTRODUCTION

The Intel Core i9-9900X X-Series Processor is a high-performance computing component designed for demanding workloads and enthusiast-level systems. Featuring 10 Cores and 20 Threads, it delivers exceptional processing power for tasks ranging from content creation to gaming. This manual provides essential information for the proper installation, operation, and maintenance of your processor.



Figure 1.1: Intel Core i9 X-Series Processor Retail Box. The packaging highlights the Core i9 branding and X-Series designation.

2. SETUP AND INSTALLATION

Proper installation is crucial for the optimal performance and longevity of your Intel Core i9-9900X processor. This processor is designed for motherboards based on the Intel X299 chipset and utilizes the LGA 2066 socket.

2.1. Compatibility Requirements

- **Motherboard:** Compatible only with motherboards based on Intel X299 chipsets.
- **Socket:** Requires an LGA 2066 socket.

- **Memory:** Supports Quad DDR4-2666 Memory channels.
- **Cooling:** An adequate cooling solution (not included with the processor) is required due to the 165W Max Thermal Design Power.

2.2. Installation Steps (General Guidelines)

1. Ensure your motherboard is compatible with the LGA 2066 socket and X299 chipset.
2. Carefully open the CPU socket retention arm on your motherboard.
3. Align the processor with the socket, matching the gold triangle on the CPU to the triangle on the socket. Handle the processor by its edges to avoid touching the contacts.
4. Gently lower the processor into the socket. Do not force it.
5. Close the socket retention arm to secure the processor.
6. Install your chosen CPU cooler according to its manufacturer's instructions. Ensure proper thermal paste application.
7. Connect all necessary power cables to the motherboard and CPU.



Figure 2.1: Intel Core i9 X-Series Processor. This image shows the top view of the processor chip, highlighting the Intel branding and Core i9 X-series designation.

For detailed installation instructions, always refer to your motherboard's user manual.

3. OPERATING THE PROCESSOR

The Intel Core i9-9900X processor is designed for high-performance computing, offering a range of features to enhance your system's capabilities.

3.1. Key Features and Performance

- **Core/Thread Count:** 10 Cores / 20 Threads for superior multitasking and demanding applications.
- **Clock Speed:** Base clock speed of 3.50 GHz, with Max Turbo Frequency up to 4.40 GHz.
- **Smart Cache:** 19.25 MB of Intel Smart Cache for faster data access.
- **Memory Support:** Quad DDR4-2666 Memory channels for high-bandwidth memory operations.
- **Intel Optane Memory:** Supported for accelerated system responsiveness.

3.2. Advanced Technologies

The i9-9900X incorporates several Intel technologies to optimize performance and efficiency:

- **Intel Turbo Boost Max Technology 3.0:** Identifies the best performing cores and directs critical workloads to them.
- **Intel Turbo Boost 2.0 Technology:** Dynamically increases the processor's frequency as needed by taking advantage of thermal and power headroom.
- **Intel Hyper-Threading Technology:** Allows each physical core to run two threads simultaneously, improving parallel processing.
- **Intel Virtualization Technology (VT-x & VT-d):** Enhances the performance of virtualized environments.
- **Instruction Set Extensions:** Includes SSE4.1/4.2, AVX 2.0, and AVX-512 for accelerated computations.
- **Enhanced Intel SpeedStep Technology:** Enables the system to dynamically adjust processor voltage and frequency.
- **Intel AES New Instructions:** Accelerates data encryption and decryption.
- **Execute Disable Bit:** Provides hardware-based virus protection.



Figure 3.1: Intel Core i9 X-Series Logo. This emblem signifies the high-end performance and features of the X-Series processors.

4. MAINTENANCE

The Intel Core i9-9900X processor requires minimal maintenance. However, ensuring proper environmental conditions and cooling is vital for its long-term stability and performance.

4.1. Cooling System

Given its 165W Thermal Design Power (TDP), maintaining an efficient cooling system is paramount. Regularly check and clean your CPU cooler's heatsink and fan to prevent dust buildup, which can impede airflow and lead to overheating. Ensure thermal paste is applied correctly and replaced if the cooler is ever removed.

4.2. System Environment

Operate your computer in a well-ventilated area, free from excessive dust and humidity. Avoid blocking air vents on your computer case.

5. TROUBLESHOOTING

If you encounter issues with your Intel Core i9-9900X processor, consider the following common troubleshooting steps:

5.1. Common Issues and Solutions

- **System Not Booting / No Display:**
 - Verify that the CPU is correctly seated in the LGA 2066 socket.
 - Ensure all power cables (24-pin ATX, 8-pin CPU) are securely connected to the motherboard.
 - Check RAM modules are properly seated in their slots.
 - Confirm your motherboard BIOS/UEFI is updated to support the i9-9900X processor.
- **Overheating / System Shutdowns:**
 - Ensure your CPU cooler is properly installed and making good contact with the CPU.
 - Verify that the CPU fan is spinning and connected to the correct header on the motherboard.
 - Check for dust buildup on the heatsink and clean if necessary.
 - Confirm adequate airflow within your computer case.
- **System Instability / Crashes:**
 - Ensure your operating system and drivers are up to date.
 - If overclocking, revert to default settings to check for stability.
 - Run memory diagnostic tools to check for RAM issues.

If issues persist, consult your motherboard's manual for specific diagnostic codes or contact Intel Support.

6. SPECIFICATIONS

Detailed technical specifications for the Intel Core i9-9900X X-Series Processor:

Feature	Specification
Model Number	BX80673I99900X
Core Name	Skylake
Core Count	10 Cores
Thread Count	20 Threads
Base Clock Speed	3.50 GHz
Max Turbo Frequency	4.40 GHz
Smart Cache	19.25 MB
DMI3	8.0 GT/s
Lithography	14 nm
Socket	LGA 2066

Feature	Specification
Max Thermal Design Power (TDP)	165 W
Memory Type Supported	DDR4-2666
Max CPU Configuration	1
Product Dimensions (LxWxH)	4 x 2 x 4.6 inches
Item Weight	3.17 ounces
Date First Available	November 13, 2018

7. WARRANTY INFORMATION

The Intel Core i9-9900X X-Series Processor typically comes with a **Three-year Limited Warranty** from Intel. This warranty covers defects in materials and workmanship under normal use.



Figure 7.1: Back of Intel Core i9 X-Series Processor Retail Box. This view shows the multi-language content description and a note about the three-year limited warranty, emphasizing the requirement for an LGA2066 motherboard and specific software/services.

Important: Requires a motherboard with the LGA2066 socket and specific enabled hardware, software or services activation to utilize certain Intel technologies. Check with your system manufacturer or retailer for full details.

For specific warranty terms and conditions, please refer to the official Intel warranty documentation provided with your product or visit the Intel website.

8. SUPPORT

For further assistance, technical support, or to access additional resources, please use the following channels:

- **Intel Support Website:** Visit the official Intel support website for drivers, software, and troubleshooting guides.

- **Intel Store:** Explore other Intel products and resources at the [Intel Store on Amazon](#).
- **System Manufacturer:** If your processor came as part of a pre-built system, contact your system manufacturer for support specific to your configuration.

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Documents - Intel – i9-9900X

INTEL I9 9900X	
- Product Collection Code: Intel® Core™ i9-9900X - Code Name: Skylake-X - Vertical Segment: Desktop - Processor Number: i9-9900X - Intel Architecture: Intel® Xeon® Phi - Launch Date: Q4 18 - Launch Price: \$1,699 - Included Items: Please note: The boxed product does not include a fan or heat sink. Recommended Customer Price: \$1,699	
Performance	
# of Cores: 10 # of Threads: 20 - Processor Base Frequency: 3.80 GHz - Max Turbo Frequency: 4.50 GHz - Cache: 12.5 MB Smart Cache - Base Speed: 3.80 GHz # of QPI Links: 4 - Intel® Turbo Boost Max Technology 3.0 Frequency: 4.50 GHz - TDP: 165 W	
Supplemental Information	
- Embedded Options Available: No - Disables: Cache	
Memory Specifications	
- Max Memory: Not dependent on memory type: 128 GB - Memory Type: DDR4-3200 - Max # of Memory Channels: 4 - ECC Memory Supported: No	
Expansion Options	
- Scalability: N/A Only - PCI Express Revision: 3.0 - Max # of PCI Express Lanes: 40	
Package Specifications	
- Sockets Supported: LGA 2066 - Max CPU Configuration: 1 - Thermal Solution Specification: TCO: 200 TK - Temperature: 72°C	

[\[pdf\]](#) Specifications Datasheet

PATÍÑO JIMENEZ GEORGINA ELIZABETH INTEL I9 9900X CATÁLOGO VIRTUAL PCH Instruction Set ExtensionsIntel® SSE4.1 Intel® 2 AVX2 AVX 512 of FMA Units2 Enhanced Intel SpeedStep® PR 373310 41 fichastecnica pchmayoreo Hyper Threading Technology ‡Yes · Virtualization VT-x for Directed I/O d 64

INTEL I9 9900X Product CollectionIntel Core™ X-series Processors Code NameProducts formerly Skylake Vertical SegmentDesktop Processor Number i9-9900X StatusLaunched Launch DateQ4 18 Lithography14 nm Included ItemsPlease note: The boxed product does not include a fan or heat sink Recommended... lang:en score:39 filesize: 202.02 K page_count: 2 document date: 2018-11-02

PROCESOR INTEL® CORE™ i9-9900X Z SERII X	
19,25 MB pamięci cache, do 4,50 GHz	
	
Dane techniczne	
Niezbędne zasoby	
Segment rynku pionowego	Desktop
Numer procesora	i9-9900X
Stany	Launched
Data rozpoczęcia	Q4 18
Litografia	14 nm
Wydajność	
Liczba rdzeni	10

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Data rozpoczęcia Litografia Wydajność Liczba rdzeni Desktop i9-9900X Launched Q4 18
14 nm 10 Liczba wtkw Bazowa częstotliwość procesora Maks. częstot...
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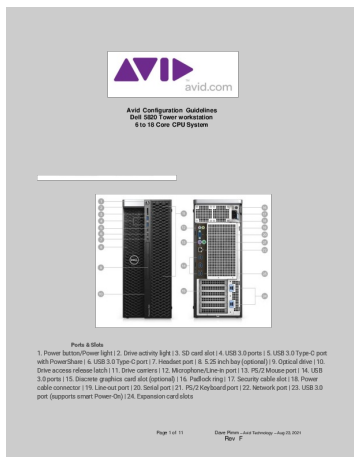


[\[pdf\]](#) Specifications Guide Configuration Guide

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Avid Configuration Guidelines Dell 5820 Tower workstation 6 to 18 Core CPU System Ports Slots 1. Power button/Power light 2. Drive activity light 3. SD card slot 4. USB 3.0 ports 5. USB 3.0 Type-C port with PowerShare 6. USB 3.0 Type-C port 7. Headset port 8. 5.25 inch bay optional...

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Avid Configuration Guidelines Dell 5820 Tower workstation 6 to 18 Core CPU System Ports Slots 1. Power button/Power light 2. Drive activity light 3. SD card slot 4. USB 3.0 ports 5. USB 3.0 Type-C port with PowerShare 6. USB 3.0 Type-C port 7. Headset port 8. 5.25 inch bay optional...

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Avid Configuration Guidelines Dell 5820 Tower workstation 6 to 18 Core CPU System Ports Slots 1. Power button/Power light 2. Drive activity light 3. SD card slot 4. USB 3.0 ports 5. USB 3.0 Type-C port with PowerShare 6. USB 3.0 Type-C port 7. Headset port 8. 5.25 inch bay optional...

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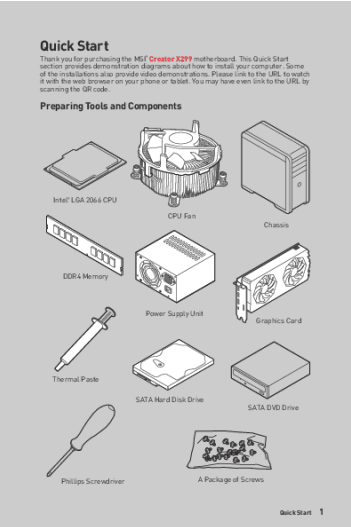
Quick Start Thank you for purchasing the MSI Creator X299 motherboard. This Quick Start section prov ... 7-9800X 3.8 GHz 4.5 GHz 4.6 GHz 4.7 GHz 4.8 GHz 4.9 GHz 5.0 GHz 5.1 GHz CPU Max Frequency i9-9820X i9-9900X 3.3 GHz 3.5 GHz 4.2 GHz 4.5 GHz 4.3 GHz 4.6 GHz 4.4 GHz 4.7 GHz 4.5 GHz 4.8 GHz 4.6 GHz 4.9... lang:fr score:26 filesize: 15.54 M page_count: 262 document date: 2019-11-27



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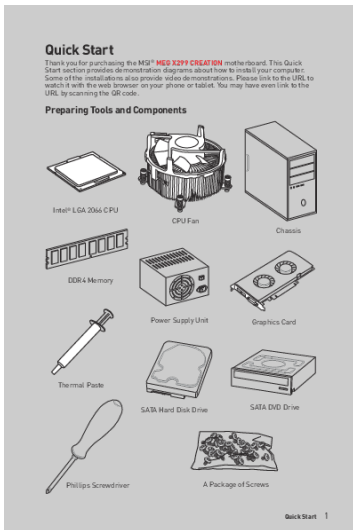
PowerPoint Presentation CTPClassification CTP NT Peschka Brian FCF at ~\$15B unchanged vs April guide 1 Presented on a non GAAP basis Refer to the Appendix for reconciliation of these measures Q2 19 Earnings Deck 7 25 Final d1io3yog0oux5 cloudfront net 820d97a4ca724d6b83c4fa4ac4033326 intel db 887 7660 earnings presentation

Q2 2019 EARNINGS Presentation Disclosures This presentation contains non-GAAP financial measures r ... s Compared: 9th Gen Intel CoreTM i9-9900K, Intel CoreTM i9-9980XE Extreme Edition, and Intel CoreTM i9-9900X X-series; 8th Gen Intel CoreTM i7-8700K and i7-8086K; and AMD RyzenTM 7 2700X, AMD RyzenTM ... lang:en score:25 filesize: 932.99 K page_count: 18 document date: 2019-07-25



MSI Creator X299 Motherboard: Quick Start and User Guide

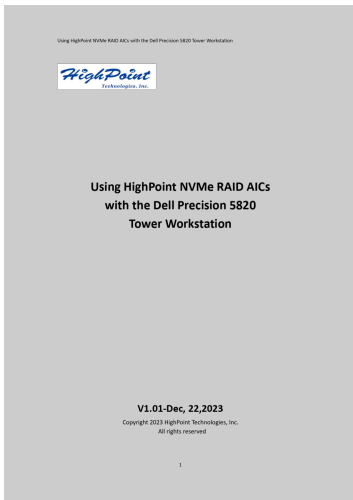
Comprehensive guide for the MSI Creator X299 motherboard, covering installation, specifications, BIOS setup, and troubleshooting for PC builders and enthusiasts. lang:en score:25 filesize: 7.79 M page_count: 104 document date: 2019-11-19



[pdf] User Manual Installation Guide Instructions Troubleshooting Guide Specifications Guide Diagram

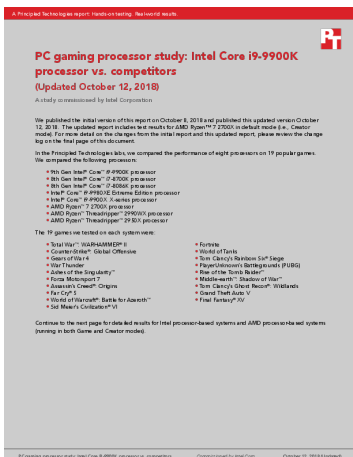
Quick Start Safety Information Specifications Troubleshooting Thank you for purchasing the MSI® MEG X299 CREATION motherboard User Manual Installation Guide Driver DVD SATA 6Gb s Cables 1 to 2 1055036741 content utilize

Quick Start Thank you for purchasing the MSI MEG X299 CREATION motherboard. This Quick Start section ... i9-9820X 3.3 GHz 4.2 GHz 4.3 GHz 4.4 GHz 4.5 GHz 4.6 GHz 4.7 GHz 4.8 GHz Stage 0 1 2 4 6 8 10 11 i9-9900X 3.5 GHz 4.5 GHz 4.6 GHz 4.7 GHz 4.8 GHz 4.9 GHz 5.0 GHz 5.1 GHz CPU Max Frequency i9-9920... lang:en score:24 filesize: 8.42 M page_count: 110 document date: 2018-10-05



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Intel Core i9 9900K gaming 1018 Principled Technologies Inc PC processor study vs competitors Commissioned by Corp October 12 2018 Updated 101218 principledtechnologies interim A Principled Technologies report: Hands-on testing. Real-world results. PC gaming processor study: ... h Gen Intel Core™ i7-8086K processor Intel Core™ i9-9980XE Extreme Edition processor Intel Core™ i9-9900X X-series processor AMD Ryzen™ 7 2700X processor AMD Ryzen™ Threadripper™ 2990WX processo... lang:en score:24 filesize: 360.32 K page_count: 27 document date: 2018-10-13

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Product Family	Intel® Core™ i9-9900X Processor	Intel® Core™ i9-9900X Processor
Product Type	Processor	Processor
Product Category	Processor	Processor
Product Subcategory	Processor	Processor
Product Description	Intel® Core™ i9-9900X Processor	Intel® Core™ i9-9900X Processor
Product Features	Intel® Core™ i9-9900X Processor	Intel® Core™ i9-9900X Processor
Product Specifications	Intel® Core™ i9-9900X Processor	Intel® Core™ i9-9900X Processor
Product Details	Intel® Core™ i9-9900X Processor	Intel® Core™ i9-9900X Processor
Product Images	Intel® Core™ i9-9900X Processor	Intel® Core™ i9-9900X Processor
Product Documents	Intel® Core™ i9-9900X Processor	Intel® Core™ i9-9900X Processor
Product Reviews	Intel® Core™ i9-9900X Processor	Intel® Core™ i9-9900X Processor
Product Support	Intel® Core™ i9-9900X Processor	Intel® Core™ i9-9900X Processor
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Product Sustainability	Intel® Core™ i9-9900X Processor	Intel® Core™ i9-9900X Processor
Product Innovation	Intel® Core™ i9-9900X Processor	Intel® Core™ i9-9900X Processor
Product Future	Intel® Core™ i9-9900X Processor	Intel® Core™ i9-9900X Processor

[pdf] Instructions Specifications

Intel Core X Series Processor Specs Comparison 17 mag 2022 — Intel® Core™ i9 10900X series 19

25M Cache 3 70 GHz Product Collection Processors www.ms-express-assets-specs.com

Model Detail Product Collection Processor Number CPU Specifications # of Cores #

of Threads Processo ... iability Intel AES New Instructions Execute Disable Bit

Included Items BX80673199900X Intel Core™ i9-9900X X-series Processor 19.25M

Cache, up to 4.50 GHz Intel Core™ X-series Processors i9-9900X...

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Acer Predator Orion series
Acer Predator Orion 9000 (P09-900)

Monumental hunt

- Processor: Intel® Core™ i9-9900X
- Memory: 32GB DDR4 RAM (2 x 16GB)
- Hard drive: 1024 GB SSD + 1000 GB HDD
- Graphics card: NVIDIA GeForce RTX 2080 Ti (11 GB GDDR6)
- Operating system: Windows 10 Home (64 Bit)






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Acer Predator Orion series Acer Predator Orion 9000 PO9-900 Monumental hunt

Processor: Intel Core™ i9-9900X Memory: 32GB DDR4 RAM 2 x 16GB Hard drive:

1024 GB SSD 1000 GB HDD Graphics card: NVIDIA GeForce RTX 2080 Ti 11 GB

GDDR6 Operating system: Windows 10 Home 64 Bit Acer Predato...

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Acer Predator Orion Serie
Acer Predator Orion 9000 (P09-900)

Imposante Jagd

- Processor: Intel® Core™ i9-9900X
- Arbeitsspeicher: 32GB DDR4 RAM (2 x 16GB)
- Festplatte: 512 GB PCIe SSD + 2.000 GB HDD
- Grafikkarte: 2x NVIDIA GeForce RTX™ 2080 (8 GB GDDR6)
- Betriebssystem: Windows 10 Home (64 Bit)






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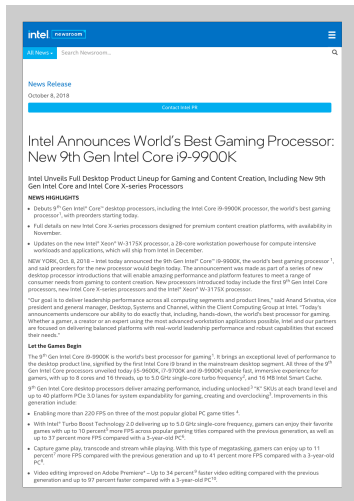
Acer Predator Orion Serie Acer Predator Orion 9000 PO9-900 Imposante Jagd

Prozessor: Intel Core™ i9-9900X Arbeitsspeicher: 16GB DDR4 RAM 2 x 8GB

Festplatte: 512 GB PCIe SSD 2.000 GB HDD Grafikkarte: 2x NVIDIA GeForce

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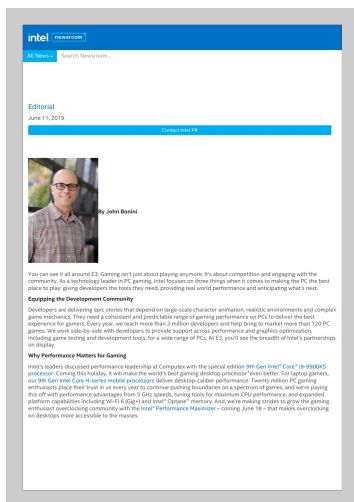
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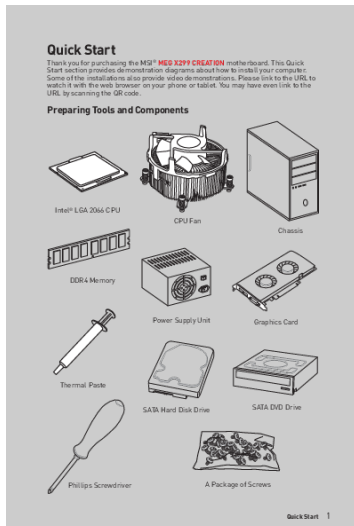


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All News Search Newsroom... Editorial June 11, 2019 Contact Intel PR By John Bonini You can see it ... s Compared: 9th Gen Intel Core™ i9-9900K, Intel Core™ i9-9980XE Extreme Edition, and Intel Core™ i9-9900X Xseries; 8th Gen Intel Core™ i7-8700K and i7-8086K; and AMD Ryzen™ 7 2700X, AMD Ryzen™ T...

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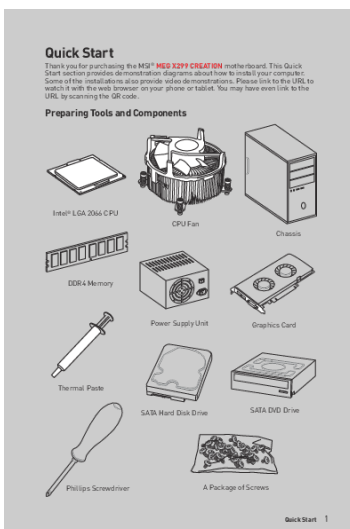
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Guide Diagram

Quick Start B H Photo 1 DDR4 Memory Graphics Card SATA Hard Disk Drive DVD Phillips Screwdriver
Chassis Power Supply Unit A Package of Screws Thermal Paste Thank you for purchasing the MSI®
MEG X299 CREATION motherboard This section provides demonstration diagrams about how to install
your computer 453670 static bhphotovideo lit files Safety Information Specifications Troubleshooting
User Manual Installation Guide Driver 6Gb s Cables 2

Quick Start Thank you for purchasing the MSI MEG X299 CREATION motherboard.
This Quick Start section ... i9-9820X 3.3 GHz 4.2 GHz 4.3 GHz 4.4 GHz 4.5 GHz 4.6
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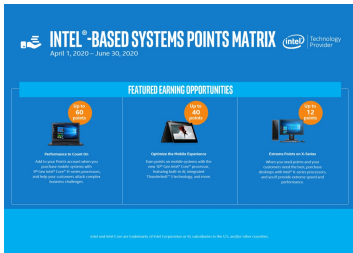
Intel® Based Systems Points Matrix OKTABI Extreme on X Series When you need points and your customers the best purchase desktops with series processors 221 73 ITB710710H oktabit gr images s ||| Intel-Based Systems Points Matrix April 1, 2020 June 30, 2020 featured earning opportunities Up t ... i9-9980XE i9-9900 i9-9900T i9-9940X 10th Gen 12 Points i9-10900X i9-10920X i9-10980XE i9-9900K i9-9900X i9-9960X i9-10940X Mobile Generation: Intel Core™ i3 Processor Intel Core™ i5 Processor ...

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Intel® Based Systems Points Matrix OKTABIT Extreme on X Series When you need points and your customers the best purchase desktops with series processors 221 73 ITB58259H oktabit gr images s ||| Intel-Based Systems Points Matrix April 1, 2020 June 30, 2020 featured earning opportunities Up t ... i9-9980XE i9-9900 i9-9900T i9-9940X 10th Gen 12 Points i9-10900X i9-10920X i9-10980XE i9-9900K i9-9900X i9-9960X i9-10940X Mobile Generation: Intel Core™ i3 Processor Intel Core™ i5 Processor ...

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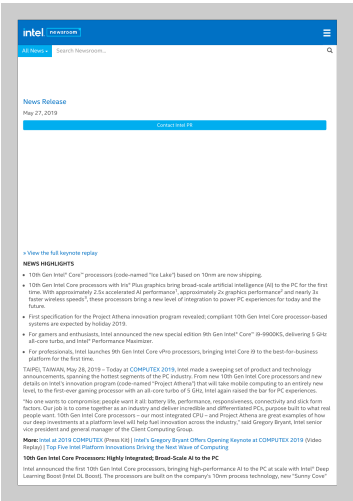
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AMD accelerates Unreal Engine development workflows with Ryzen Threadripper CPUs Epic Games Media and Entertainment Software AEC 3970X 3990X PRO 3995WX CPU Video game PC console mobile devices Fortnite gaming live events automotive architecture healthcare simulation rendering processing power epic games amd system files documents Mar 11 2021 — For nearly 30 years has had a proven track record of success in the industry The company s latest platform 4 ||| AMD accelerates Unreal Engine development workflows with Ryzen™ Threadripper™ CPUs Epic Games sees dramatic performance increase and enhanced productivity CUSTOMER INDUSTRY Media AMD accelerates Unreal Engine development workflows with Ryzen™ Threadripper™ CPUs Epic Games sees ... ables, an multiple projects at once -- unlike before. Using Threadripper, we re able Intel Core™ i9-9900X with 10 cores used for event demos took 46 minutes and 43 seconds, whereas a Threadripper... lang:en score:18 filesize: 4.72 M page_count: 2 document date: 2021-03-01

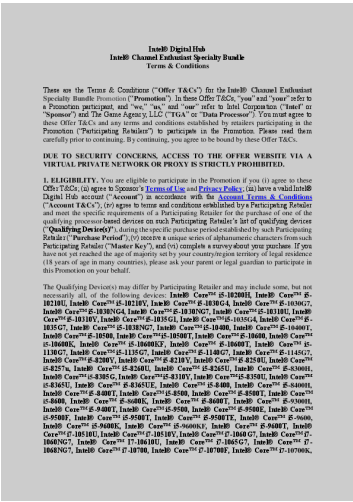


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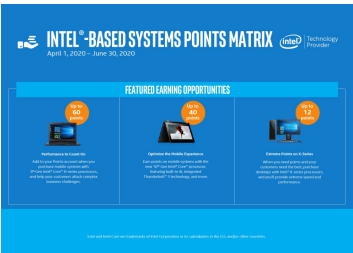


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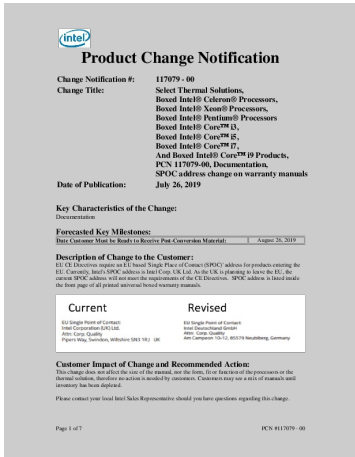


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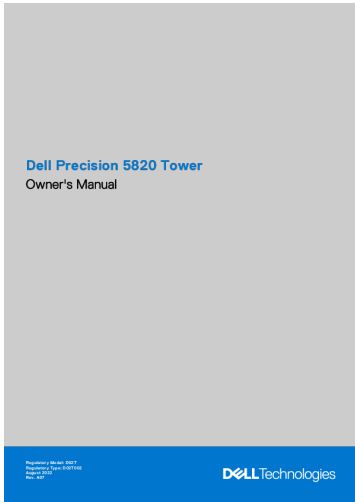
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Product Change Notification Change Notification #: Change Title: Date of Publication: 117079 - 00 ... d Intel Core™ i7-9700K Processor Boxed Intel Core™ i7-9800X X-series Processor Boxed Intel Core™ i9-9900X X-series Processor Boxed Intel Core™ i9-9920X X-series Processor 2.1 GHZ 4.3 GHZ 2.2 GHZ ... lang:en score:15 filesize: 175.75 K page_count: 7 document date: 2019-07-26



[pdf] User Manual Owner's Manual Specifications

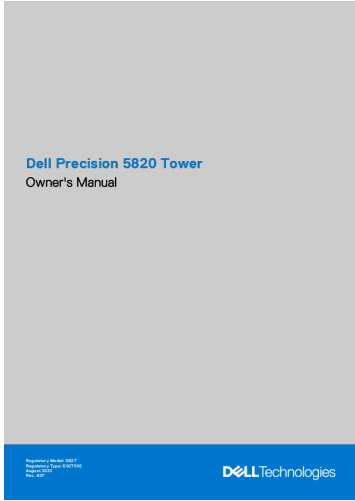
Dell Precision 5820 Tower Owner s Manual Workstation Removing the PSU heat sink and CPU fan assembly memory module system Teradici PCoIP configuration processor specifications Installing Intruder switch Expansion card PCIe holder storage options remove ports connectors Slim Optical Disk Drive Air shroud hard drive owner manual Driver information bios settings BIOS setup board Inc 266053 mrmemory co uk configurations |||

Dell Precision 5820 Tower Owner s Manual Regulatory Model: D02T Regulatory Type: D02T002 August 2022 ... el Xeon W-2145 Intel Xeon W-2133 Intel Core i9-9960X Intel Xeon W-2175 Intel Xeon W-2155 Intel Core i9-9900X Intel Xeon W-2225 Intel Xeon W-2235 Intel Xeon W-2255 Wattage 165 W 165 W 155 W 165 W 165 ... lang:en score:15 filesize: 6.38 M page_count: 119 document date: 2022-11-07



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1908 Gaming 0820v2 1 static acer up Resource Acer locale zh TW PriceList 20190829 ||| Acer PT917-71 PT515-51 PH717-71 PH317-53 PH315-52 NVIDIA GeForce RTX 2080 NVIDIA GeF ... vity/page/19 d d d Predator PO 9000 PO9-900 PO9-900 PO9-900 PO9-600 Intel Core i9-9900X 7 Intel Core i9 7980XE 7 Intel Core i9 7900X 8 Intel Core i7 8700K 3.5 GHz/Turbo... lang:en score:15 filesize: 6.19 M page_count: 9 document date: 2019-08-29



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Dell Precision 5820 Tower Owner s Manual Workstation Removing the PSU heat sink and CPU fan assembly memory module system Teradici PCoIP configuration processor specifications Installing Intruder switch Expansion card PCIe holder storage options remove ports connectors Slim Optical Disk Drive Air shroud hard drive owner manual Driver information bios settings BIOS setup board Inc Support for Documentation US precision om pub en us dl dell content manual32840811 tower language ps true ||| Dell Precision 5820 Tower Owner s Manual Regulatory Model: D02T Regulatory Type: D02T002 August 2022 ... el Xeon W-2145 Intel Xeon W-2133 Intel Core i9-9960X Intel Xeon W-2175 Intel Xeon W-2155 Intel Core i9-9900X Intel Xeon W-2225 Intel Xeon W-2235 Intel Xeon W-2255 Wattage 165 W 165 W 155 W 165 W 165 ... lang:en score:14 filesize: 26.86 M page_count: 119 document date: 2022-10-26

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The image shows the top half of a document cover. At the top right is the Intel logo, which consists of the word "intel" in a lowercase, sans-serif font inside a blue circle. Below the logo, the title "Intel® Core™ X-Series Processor Families" is written in a large, bold, black sans-serif font. Underneath the title, the subtitle "Datasheet - Volume 1 of 2" is written in a smaller, regular, black sans-serif font. A horizontal line separates the title/subtitle area from the product information area. Below the line, the text "Supporting Intel® Core™ X-series Processor Family -" is followed by a list of processor models: "I7-7800X, I7-7820X, I9-7900X, I9-7920X, I9-7940X, I9-7960X, I9-7980X, I7-9800X, I9-9820X, I9-9900X, I9-9900X, I9-9920X, I9-9940X, I9-9960X, I9-9980X". Below this list, the text "December 2018" is written. At the bottom, "Revision 004" is written.

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Owner's Manual

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series i7 7800X 7820X i9 7900X 7920X 7940X 7960X 7980XE 9800X 9820X 9900X 9920X 9940X 9960X
9980XE 300 and C240 Chipset Platform Controller Hub Z390 337347 Intel Corporation the serial input
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Core™ X-series Processor Family i7-7800X, i7-7820X, i9-7900X, i9-7920X, i9-
7940X, i9-7960X, i97980XE, i7-9800X, i9-9820X, i9-9900X, i9-9920X, i9-9940X,
i99960X, i9-9980XE December 2018 Revision 004 Document Number: ...

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assembly memory module system Teradici PCoIP configuration processor specifications Installing
Intruder switch Expansion card PCIe holder storage options remove ports connectors Slim Optical Disk
Drive Air shroud hard drive owner manual Driver information bios settings BIOS setup board Inc Mr
Memoryfront input output bezel d 5 25 inch ODD bracket e front panel o NVIDIA Quadro T1000 NVS 310*
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Type: D02T002 August 2022 ... el Xeon W-2145 Intel Xeon W-2133 Intel Core i9-
9960X Intel Xeon W-2175 Intel Xeon W-2155 Intel Core i9-9900X Intel Xeon W-2225
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Cheong Wei Ting APP Metrics for Intel® Microprocessors i5 13400E 384 0 1152 Core™ 13400F
Processor 20M Cache up to 4 60 GHz 400 12 13400T to Intel Core Processors cdrdv2 public intel
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APP Metrics for Intel Microprocessors Intel Core™ Processor Processor Group
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Cache, up to 4.40 GHz i9-9920X Intel Core™ i9-9900X X-series Processor 19.25M
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LED Lights - warm lighting	Mobile office - Mobile homes	Monitors / AMD
Monitors - 4K	Mobile PC - tablet cases	Networking
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Point of sale	Printer, Copier & Fax Machines	Refrigerators
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Printers - Inkjet	Printers	Security cameras
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Cables & connectors	Calculators	CD / DVD / Blu-ray discs
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Computers / Hardware / accessories	Computers - start	Digital cameras
Digital notebooks	Digital projectors	Displays
Drives	Home audio / Video	Electronic
Fans / Cooling / Lights / Mice	Computers & Toys	Gaming & GAMERS
Graphics - systems	GPS	Graphics cards
HD/BD Drives & Brackets	Health and safety (COVID-19 specific)	Home Automation / Smart home
Headphones	Health services & centres	LED strips
LED Lights - eco lighting	Media centres / Home boxes / MP3 / DVD	Memory
Monitors	Monitors	Motherboards - AMD
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Mouseboard accessories	Notebook bags / carry bags	Notebook System Parts
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Intel Desktop and Boxed Processors Comparison Sheet Click the link in the Processor Number column to ... -9100 i9-9900KF i7-9700KF i5-9600KF i5-9400F i5-9400 i3-9350KF i9-9980XE i9-9960X i9-9940X i9-9920X i9-9900X i9-9900K i9-9820X i7-9800X i7-9700K i5-9600k i7-8700T i7 8700 i7-8086K i5-8600T Intel Core...

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