



# C621 AORUS XTREME (rev. 1.0)

Intel® C621 Chipset

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## CPU

1. Support for Intel® Xeon® W-3175X Scalable processor in the LGA3647 Socket P (Narrow)
2. L3 cache varies with CPU

(Please refer to "CPU Support List" for more information.)

## Chipset

1. Intel® C621 Chipset

## Memória

1. 12 x DDR4 DIMM sockets supporting up to 192 GB of system memory
2. 6 channel memory architecture
3. Support for DDR4 4200(O.C.) / 4000(O.C.) / 3800(O.C.) / 3733(O.C.) / 3600(O.C.) / 3466(O.C.) / 3400(O.C.) / 3200(O.C.) / 3000(O.C.) / 2933(O.C.) / 2800(O.C.) / 2666 / 2400 / 2133 MHz
4. Support for ECC Registered DIMM memory modules
5. Support for ECC Un-buffered DIMM memory modules
6. Support for Extreme Memory Profile (XMP) memory modules

(Please refer "Memory Support List" for more information.)

## Áudio

1. Realtek® ALC1220-VB codec
  - \* The back panel line out jack supports DSD audio.
2. High Definition Audio
3. 2/4/5.1/7.1-channel
4. Support for S/PDIF Out



## LAN

1. 2 x Intel® GbE LAN chips (10/100/1000 Mbit)

Compare

Clear All

- PCIEX8\_1/PCIEX8\_3 is populated, PCIEX16\_1/PCIEX16\_2 operates at up to x8 mode.
- 1 x PCI Express x16 slot, running at x4 (PCIEX4)  
(All of the PCI Express slots conform to PCI Express 3.0 standard.)

**Tecnologia Multi-Graphics**

1. Support for NVIDIA® Quad-GPU SLI™ and 4-Way/3-Way/2-Way NVIDIA® SLI™ technologies
2. Support for AMD Quad-GPU CrossFire™ and 4-Way/3-Way/2-Way AMD CrossFire™ technologies

**Interface de Armazenamento**

## Chipset:

1. 8 x SATA 6Gb/s connectors
2. Support for RAID 0, RAID 1, RAID 5, and RAID 10
3. 1 x U.2 connector

**USB**

## Chipset:

1. 5 x USB 3.1 Gen 1 ports (2 ports on the back panel, 2 ports available through the internal USB header, 1 onboard)
2. 6 x USB 2.0/1.1 ports (4 ports on the back panel, 2 ports available through the internal USB header)

**Conectores Internos I/O**

1. 2 x 24-pin ATX main power connectors
2. 4 x 8-pin ATX 12V power connectors
3. 2 x OC\_PEG power connectors
4. 1 x CPU fan header
5. 1 x water cooling CPU fan header
6. 4 x system fan headers
7. 2 x system fan/water cooling pump headers
8. 2 x addressable LED strip headers
9. 2 x addressable LED strip power select jumpers
10. 2 x RGB LED strip headers
11. 8 x SATA 6Gb/s connectors
12. 1 x U.2 connector
13. 2 x SATA power headers



[Clear All](#)

20. 1 x USB 3.1 Gen 1 port
21. 1 x USB 2.0/1.1 header
22. 1 x Trusted Platform Module (TPM) header (2x6 pin, for the GC-TPM2.0\_S module only)
23. 1 x Intel® VROC Upgrade Key header
24. 1 x serial port header
25. 1 x Clear CMOS jumper
26. 1 x reset button
27. 1 x power button
28. 2 x temperature sensor headers
29. 1 x BIOS switch
30. 1 x buzzer

**Conectores Painel Traseiro**

1. 1 x PS/2 keyboard/mouse port
2. 4 x USB 2.0/1.1 ports
3. 2 x USB 3.1 Gen 1 ports
4. 2 x RJ-45 ports
5. 1 x optical S/PDIF Out connector
6. 5 x audio jacks

**Controlador I/O**

1. iTE® I/O Controller Chip

**Monitoramento H/W**

1. Voltage detection
2. Temperature detection
3. Fan speed detection
4. Water cooling flow rate detection
5. Overheating warning
6. Fan fail warning
7. Fan speed control

\* Whether the fan (pump) speed control function is supported will depend on the fan (pump) you install.



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[Clear All](#)

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**Características Exclusivas**

1. Support for @BIOS
2. Support for Q-Flash
3. Support for RGB Fusion
4. Support for System Information Viewer

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**Pacote de Software**

1. Norton® Internet Security (OEM version)

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**Sistema Operacional**

1. Support for Windows 10 64-bit

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**Form Factor**

1. E-ATX Form Factor; 38.6cm x 35.9cm  
(Please refer to "Chassis support list" for more information.)  
Chassis support list:  
Chassis that supports HPTX  
CORSAIR Obsidian Series™ 900D (Validated)  
PHANTEKS Enthoo Elite  
Water Block Support List:  
Bitspower , [https://shop.bitspower.com/index.php?route=product/product&product\\_id=7236](https://shop.bitspower.com/index.php?route=product/product&product_id=7236)

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**Observação**

1. Due to different Linux support condition provided by chipset vendors, please download Linux driver from chipset vendors' website or 3rd party website.
2. Most hardware/software vendors may no longer offer drivers to support Win9X/ME/2000/XP. If drivers are available from the vendors, we will update them on the GIGABYTE website.

