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Formaat: ATX Socket 1151 – ondersteuning voor 6e en 7e generatie Intel processoren. Geheugen: 4x DDR4 sloten met een maximale capaciteit van 64GB Uitbreidingssloten: 2 PCIe 3.0 x16, 4 PCIe 3.0 x1 Grafische uitvoeropties: Displaypoort, HDMI, DVI-D Opslag: 6 SATA3, 2 Ultra M.2 Uitverkocht Vergelijk Beschrijving Extra informatie Het ASUS ROG Strix Z270F Gaming Moederbord is een ATX moederbord geschikt voor de 6e en 7e generatie processoren (“Sky Lake, Kaby Lake”), het moederbord beschikt over twee dual-channel DDR4 geheugen banen met een maximale capaciteit van 64GB. De ASUS ROG Strix Z270F Gaming heeft o.a. twee PCI Express 3.0 x16, vier PCI Express 3.0 x1 en twee ultra M.2 sloten, ook beschikt het moederbord over een ruime hoeveelheid aansluitingen zoals: USB 2.0, USB 3.1 Gen1, USB 3.1 Gen2 Type-C, USB 3.1 Gen2 Type-A, Displayport, HDMI en DVI-D. Product: ASUS ROG Strix Z270F Gaming Socket: Socket 1151 Geschikt voor: 6e en 7e generatie processoren Categorie: Moederborden Merk: ASRock Staat: Refurbished – voorzien van de laatst beschikbare bios versie EAN: 0889349572016, 4712900572018 SKU: 90MB0SV0-M0EAY0, ROG STRIX Z270F GAMING, STRIX Z270F GAMING Garantie: 6 maanden Drivers voor de ASUS ROG Strix Z270F Gaming Processoren die door worden ondersteund door de ASUS ROG Strix Z270F Gaming pakketinhoud: – Moederbord (ASUS ROG Strix Z270F Gaming) –IO-Shield (blikken achterplaatje) – Geen handleiding – Geen driver-cd – Geen kabels CPU Intel® Socket 1151 voor 7e/6e generatie Core™ i7/Core™ i5/Core™ i3/Pentium®/Celeron® processoren Ondersteunt Intel® 14nm CPU Ondersteunt Intel® Turbo Boost Technologie 2.0 * De ondersteuning voor Intel® Turbo Boost Technologie 2.0 is afhankelijk van de CPU-typen. * Raadpleeg www.asus.com voor de lijst met ondersteunde CPU’s Chipset Intel® Z270 Geheugen 4 x DIMM, Max. 64GB, DDR4 3866(O.C.)/3733(O.C.)/3600(O.C.)/3466(O.C.)/3400(O.C.)/3333(O.C.)/3300(O.C.)/3200(O.C.)/3000(O.C.)/2800(O.C.)/2666(O.C.)/2400/2133 MHz Non-ECC, Un-buffered geheugen Dual Channel Geheugenarchitectuur Ondersteunt Intel® Extreme Memory Profile (XMP) * Hyper DIMM-ondersteuning is afhankelijk van de fysieke eigenschappen van individuele CPU’s. * Raadpleeg www.asus.com voor de Memory QVL (Qualified Vendors Lists). Grafisch Multi-VGA-uitgangs ondersteuning : HDMI/DVI-D/DisplayPort 1.2 poorten Geïntegreerde Grafische Processor – Ondersteunt Intel® HD Graphics – Ondersteunt HDMI met max. resolutie 4096 x 2160 @ 24Hz – Ondersteunt DVI-D met max. resolutie 1920 x 1200 @ 60Hz – Ondersteunt DisplayPort met max. resolutie 4096 x 2304 @ 60 Hz *1 Maximale gedeelde geheugen van 1024 MB (exclusief voor iGPU) Ondersteunt Intel® InTru™ 3D, Quick Sync Video, Clear Video HD Technologie, Insider™ Ondersteunt tot 3 schermen tegelijk Multi-GPU-ondersteuning Ondersteunt NVIDIA® 2-Way SLI™ Technologie Ondersteunt AMD 3-Way CrossFireX™ Technologie Uitbreidingssleuven 2 x PCIe 3.0/2.0 x16 (x16 of dual x8) 1 x PCIe 3.0/2.0 x16 (max op x4 modus) 4 x PCIe 3.0/2.0 x1 Opslag 1 x M.2 Socket 3, met M Key, type 2242/2260/2280 opslagapparaten ondersteuning (x4 PCIE modus)*3 Intel® Z270 Chipset : 1 x M.2 Socket 3, met M Key, type 2242/2260/2280/22110 opslagapparaten ondersteuning (zowel SATA & PCIE modus)*2 Ondersteunt Intel® Smart Response Technology*4 Intel® Optane™ Geheugen Klaar *5 6 x SATA 6Gb/s poort(en) Ondersteunt Raid 0, 1, 5, 10 LAN Intel® I219V Anti-surge LANGuard ROG GameFirst Technologie Audio – Sonic Studio III ROG SupremeFX 8-Kanaals High Definition Audio CODEC S1220A – Dual hoofdtelefoonversterkers – Impedantie-sensor voor voor- en achteruitgangen – Ondersteunt: Jack-detectie, Multi-streaming, Voorpaneel Jack-herconfiguratie – Hoogwaardige 120dBSNR stereo-uitgang en 113dBSNR opname-ingang – SupremeFX Shielding Technologie – Ondersteunt tot 32-Bit/192kHz weergave *6 Audio Kenmerken: – SupremeFX Shielding™ Technologie – Optische S/PDIF-uitgangspoort(en) aan de achterzijde – Toegewijde audio PCB-lagen: Gescheiden lagen voor linker en rechter kanalen ter bescherming van de kwaliteit van de gevoelige audiosignalen – Premium Japanse audio-capacitors: Biedt warme, natuurlijke en meeslepende geluid met uitzonderlijke helderheid en trouw – Sonic Radar III USB-poorten 6 x USB 3.0 poort(en) (4 aan de achterzijde, blauw, 2 op het moederbord) Intel® Z270 Chipset : 2 x USB 3.1 poort(en) (Type-A + USB Type-CTM, Ondersteuning 3A stroomuitgang) ASMedia® USB 3.1 Gen 2 controller : 6 x USB 2.0 poort(en) ROG Exclusieve Kenmerken ROG RAMCache II ROG CloneDrive GameFirst IV ROG CPU-Z Overwolf ROG Aura Speciale Kenmerken – Fan Xpert 4 met Fan Auto Tuning functie en meerdere thermistors OC Ontwerp – ASUS PRO Clock Technologie – Volledige BCLK-bereik voor extreme overklokprestaties – Volledige systeemeoptimalisatie met één klik! 5-Way Optimization tuning key combineert perfect TPU, EPU, DIGI+ Power Control, Fan Xpert 4 en Turbo App, wat betere CPU-prestaties, efficiënte energiebesparing, nauwkeurige digitale stroomregeling, systeembrede koeling en zelfs op maat gemaakte app-gebruik mogelijk maakt. Turbo APP 5-Way Optimalisatie door Dual Intelligent Processors 5 TPU – Auto Tuning, TurboV, GPU Boost Gamer’s Guardian: – DRAM Overcurrent Bescherming – RVS Achterkant I/O – Zeer duurzame componenten – Digi+ VRM – SafeSlot ASUS Exclusieve Kenmerken : – AI Suite 3 – Ai Charger – ESD Guards – PC Cleaner ASUS EZ DIY : – ASUS CrashFree BIOS 3 – ASUS EZ Flash 3 – ASUS UEFI BIOS EZ Mode ASUS Q-Design : – ASUS Q-Shield – ASUS Q-LED (CPU, DRAM, VGA, Boot Device LED) – ASUS Q-Slot – ASUS Q-DIMM Gaming Esthetiek : – 3D-printvriendelijk – AURA-RGB Verlichting M.2 Onboard (de nieuwste overdrachtstechnologieën met gegevensoverdrachtsnelheden tot 32Gb/s) Achter I/O-poorten 4 x USB 3.1 Gen 1 (blauw), 2 x USB 3.1 Gen 2 Type-A + USB Type-CTM, 1 x PS/2 toetsenbord/muis combinatiepoort(en) 1 x DVI-D 1 x DisplayPort 1 x HDMI 1 x LAN (RJ45) poort(en) 1 x Optische S/PDIF-uitgang 5 x Audio jack(s) Interne I/O-poorten 1 x COM poort header 1 x AAFP connector 1 x M.2 Socket 3 met M Key ontwerp, type 2242/2260/2280/22110 opslagapparaten ondersteuning (ondersteunt zowel SATA & PCIE SSD) 2 x RGB Header(s) 3 x 3D Mount schroefpoort(en) 1 x ROG uitbreiding (ROG_EXT) header(s) 1 x High AMP Fan Header 3 x USB 2.0 connector(s) ondersteuning voor extra 6 USB 2.0 poort(en) 1 x CPU OV 1 x USB 3.1 Gen 1 (tot 5Gbps) connector(s) ondersteuning voor extra 2 USB 3.1 Gen 1 poort(en) 1 x M.2 Socket 3 met M Key, type 2242/2260/2280 opslagapparaten ondersteuning (alleen PCIE modus) 6 x SATA 6Gb/s connector(s) 1 x CPU Fan connector(s) 1 x CPU OPT Fan connector(s) 2 x Chassis Fan connector(s) 1 x 24-pin EATX voedingsconnector(s) 1 x 8-pin ATX 12V voedingsconnector(s) 1 x Systeempaneel(s) (behuizing-inbraak header is ingebouwd) 1 x Clear CMOS jumper(s) 1 x 5-pin EXT_FAN (Extension Fan) connector 1 x 14-1 pin TPM connector 1 x T_Sensor Connector 1 x AIO PUMP Header Accessoires 1 x I/O-Shield BIOS 128 Mb Flash ROM, UEFI AMI BIOS, PnP, WfM2.0, SM BIOS 3.0, ACPI 6.0, Meertalig BIOS, ASUS EZ Flash 3, CrashFree BIOS 3, F11 EZ Tuning Wizard, F6 Qfan Control, F3 Mijn Favorieten, Laatst Gewijzigde log, F12 PrintScreen, en ASUS DRAM SPD (Serial Presence Detect) geheugeninformatie. Beheerbaarheid WfM2.0, DMI3.0, WOL door PME, PXE Besturingssysteem Windows® 8.1 64-bit *7 Windows® 7 32-bit *7 Windows® 7 64-bit *7 Windows® 10 64-bit Formaat ATX Formaat 12 inch x 9.6 inch (30.5 cm x 24.4 cm) ProductinformatieVolgens onze moederbordspecialistDankzij de versterkte PCIe sloten plaats je zorgeloos nieuwe componenten zonder dat het moederbord meebuigt.Sluit je HiFi apparatuur aan via de optische S/PDIF Out connector.De verlichting van het moederbord is met de Asus software naar wens af te stellen en te synchroniseren met Asus videokaarten en randapparatuur.Wifi voor draadloze internetverbindingen ontbreekt.De Asus STRIX Z270F Gaming is een verlicht ATX moederbord met een Socket 1151 en beschikt over de Intel Z270 chipset. Het moederbord is geschikt voor waterkoeling, Intel Optane geheugen en biedt met 3 slots voldoende ruimte voor SLI en Crossfire opstellingen tot 3 videokaarten.Asus Q-shieldSATA kabels (4x)DVD met softwareSLI bridge (2-way)Verlengkabel voor RGB LED-strips (2x)Socket (CPU)1151Chipset moederbordIntel Z270Vormfactor (moederborden)ATXTotaal aantal RAM geheugensloten4Aantal M.2 aansluitingen2PCI Express x16-sloten3Wifi ingebouwdAantal ethernet poorten1Toon alle specificatiesBeoordelingVrijwel alle features die de massa zich kan wensen: 2x M.2, 6x SATA, 3x PCIe met Crossfire en SLI support..Aantrekkelijk totaalplaatje met veel zwart, geborstelde elementen, en geen enkel storend element of LEDje dat welke kleur build of verlichting dan ook in de weg staat.SupremeFX / ALC1220 audio implementatie is weer net even beter dan vorige generatieWeinig Extra interne USB 3.0 header wellicht voor behuizingen met meer dan 2 USB 3.0 poorten voorop?Lees hele reviewSteven De Moor9 juli 2017Lichtjes zijn het enige kleurhebbende deel van het bordLees hele reviewKaemon Dufour11 januari 2017Alle soorten aansluitingenRuim voldoende aansluitingenLees hele reviewLees hele reviewLees hele reviewVrijwel alle features die de massa zich kan wensen: 2x M.2, 6x SATA, 3x PCIe met Crossfire en SLI support..Aantrekkelijk totaalplaatje met veel zwart, geborstelde elementen, en geen enkel storend element of LEDje dat welke kleur build of verlichting dan ook in de weg staat.SupremeFX / ALC1220 audio implementatie is weer net even beter dan vorige generatieWeinig Extra interne USB 3.0 header wellicht voor behuizingen met meer dan 2 USB 3.0 poorten voorop?Met de ASUS Strix Z270F Gaming zetten ze een prachtig en compleet moederbord op de markt; veel bloedmooie elementen en een featureset die praktisch altijd zal voldoen.Steven De Moor9 juli 2017Lichtjes zijn het enige kleurhebbende deel van het bordDit moederbord paste perfect in mijn zelf samengestelde pc, niet alleen op fysiek vlak maar ook op vlak van uitzicht. voor een prijs van €199.- kan je er toch wel heel wat van verwachten. het is echt een aanrader. Ik heb er nog geen problemen met ondervondenKaemon Dufour11 januari 2017Alle soorten aansluitingenRuim voldoende aansluitingenRecht toe recht aan, bouwt goed in, goede driver ondersteuning. Je krijgt wat je verwacht, een degelijk board met goede overklok mogelijkheden.Artikelnummer759108Fabrikantcode90MB0SV0-M0EAY0MerkASUSGarantie2 jaarAfhandeling van je defectCarry-in-garantieOude apparaat gratis retourVormfactor (moederborden)ATXChipset moederbordIntel Z270Socket (CPU)1151Chipset koeler (moederborden)PassiefTotaal aantal RAM geheugensloten4Type geheugenDDR4Voltage RAM1,2 VGeheugensnelheid3866 MHzMaximaal intern geheugen64 GBAantal geheugenkanalenDual channel (2)PCI Express x1-sloten4PCI Express x16-sloten3Aantal M.2 aansluitingen2DisplayPort-aansluitingHDMI-aansluitingThunderbolt-aansluitingDVI-aansluitingVGA-aansluitingHoofdtelefoon aansluitingAantal hoofdtelefoon aansluitingen1Microfoon aansluitingAantal microfoon aansluitingen1Digitaal optische aansluitingAudio processorSupremeFX S1220AAantal audio kanalen5Aantal subwooferkanalen1 ROG Strix Z270F Gaming continues the proud legacy of the Z170 Pro Gaming series and features advanced ROG innovations. ROG Strix Z270F Gaming motherboards combine bold aesthetics with premier performance and incredible audio to deliver unrivaled gaming experiences and style. Support for the latest Intel processors and technologies, plus exclusive ROG innovations, take performance to the next level to give you the edge against opponents. ROG Strix Z270F charges every movement of every game with thrilling energy and equips you with epic speed and agility. Join the Republic with ROG Strix Z270F Gaming and dominate your game! USB 3.1 (Type-A + Type-C) Aura Sync Intel® I219-V LANGuard GameFirst 2 x PCIe 3.0 x 16 (support x16, x8/x8) 1 x PCIe 3.0 x 16 (at x4 mode) 4 x PCIe 3.0 x 1 SupremeFX · Impedance sense · High quality output and input · SupremeFX shielding · Dual headphone amplifiers 2x Aura RGB headers DDR4 3866MHz (O.C.) 4 x DIMM, dual-channel Support XMP 3D mount Intel® Socket 1151 M.2 Socket 3 Type M (2242-2280) Supports PCIe3.0x4 mode 6 x SATA 6Gb/s M.2 Socket 3 Type M (2242-22110) Supports SATA & PCIe 3.0 x 4 modes Create your own custom LED lighting effects with the intuitive Aura software. Cast a stunning multi-color glow across your build with the powerful RGB LEDs built in to ROG Strix Z270F Gaming, or attach separate RGB strips using the two onboard 4-pin headers. You can even use both at the same time and enjoy perfect lighting synchronization. Fire up Aura and enjoy the creative freedom of nine different lighting themes. Static Always on Breathing Fades in and out Strobing Flashes on and off Color cycle Fades between thecolors of the rain-bow Music effect Pulses to the beat ofyour music CPU Temperature Changes color withCPU load Rainbow A rolling multi-colorglow Comet A stream of lightwith a tail Flash & dash Single/multi-color steppedflashes *The Aura RGB-strip header supports standard 5050 RGB LED strips with a maximum power rating of 2A (12V). For maximum brightness, strip length should not exceed 2m. * One extension cable is included. RGB LED strips are sold separately. ASUS Aura Sync RGB LED technology makes ROG Strix Z270F Gaming the control hub for your illumination ambitions — so it's easy to synchronize incredible lighting effects between compatible components, including RGB LED strips, graphics cards, keyboards and even mice! Change all LEDs in unison or employ dynamic modes to flow the illumination effects smoothly across all synchronized devices. *Visit the ASUS Aura microsite to learn more about Aura Sync. ASUS is the first motherboard manufacturer to support 3D printing, making it easy to customize your motherboard's appearance and improve system performance with a range of printable parts. Cover your cables for a tidier PC. Personalize your build with a custom logo making it unique to you. The ASUS 3D-printed M.2 fan holder keeps temperatures low for improved performance and longevity. Dedicated 3D Mounts on the motherboard makes fitting 3D-printed parts easy. Using the same screws as M.2 drives and standard motherboard mounting holes, you can easily add nameplates, cable covers, or an M.2 fan holder. *Products with the 3D Printing Friendly logo feature the specialized 3D Mount and are also bundled with an extra 3D mount kit. As system parts are visible in custom PC builds, make yours stand out from the competition with 3D-printed accessories. Clip the cover onto the PCB SLI HB bridge to add style to your build. Multiple form factors — eATX, ATX and mATX — are available. Add a little extra style to your build. Keep cables organized with the multi-connector design. 3D design files are available for 24-pin, 8-pin, 8 + 6-pin, 6-pin and 4-pin PSU connectors. Use ROG font files to print letters -- then fully customize your build by adding your name or any other word or phrase! Print a 3D keychain and show off your ROG passion to the world! Select the 3D source files you want to download. Adjust size or shape, add text or change other attributes. Watch tutorial Use your own printer, or visit a local vendor or ASUS store with Shapeways. Easily assemble and fit your 3D-printed parts using M.2 nuts or existing case mounts. Watch tutorial ROG Strix's Sonic Studio III audio-effects station has an intelligent routing feature made for streaming. The new routing feature ports streams to different outputs giving you full control over who hears what. With Sonic Studio III, you now can share your exciting in-game moments without worrying about frivolous DCMA takedown requests. In addition to that, Sonic Studio III also comes with app-level preferences for instant audio profiles, and improved noise filtering for conversations with total clarity! Easily assign different audio streams to different outputs, such as browser audio to headphones and game audio to speakers. Easily assign different audio streams to different outputs, such as browser audio to headphones and game audio to speakers. App-specific profiles Apply customized audio settings to different applications, so everything you do is perfectly tuned to the way you want to listen. Noise filter Automatically detects and eliminates unwanted background noises, ensuring that your communications are loud and clear. We've given Sonic Radar III an overhaul, evolving the audio engine to process sounds more accurately than ever, ensuring you're always aware of what's going on around you — and we've even added an onscreen arrow to help you pinpoint the enemy's position instantly! See the origin of key in-game sounds and hone your enemy-pinpointing skills. Plus the new audio boost feature provides filters that let you hear even the faintest sounds, so you can become the hunter, not the hunted! The new Sonic Radar III audio algorithm is now even more accurate to allow enemies to be pinpointed with even more accuracy. Sonic Radar III is built around it's all new HUD with an in-game 3 dimensional arrow for a more intuitive experience. The new audio boost feature now allows the boosted audio to be heard directly. Sonic Radar III is effective regardless of surrounding noise and chaos. A dedicated base-clock generator designed for 7th Generation Intel® processors allows overclocked base base-clock frequencies up to or beyond 425MHz*. This custom solution works in tandem with the ASUS TurboV processing unit to enhance voltage and base-clock overclocking control, — providing an exciting new way to boost performance to extreme heights. BCLK Range (MHz) CPU Frequency Testing configuration:Intel® LGA 1151 i7-7700K | PRIME Z270-A | Corsair DDR4 3200 4G*4 | Corsair H110i | Windows 10 *BCLK overclocking range will vary according to CPU capabilities, cooling, motherboard support and tuning options. Ranges up to 650MHz are possible under some conditions. Advantages of ASUS Pro Clock: Reduced boot time Lower jitter under extreme conditions for higher overclocks Increased stability under heavy overclocking You don't need to be an expert to max out gaming performance on your ROG Strix Z270F Gaming build — because 5-Way Optimization sorts all the complex settings with a click, for instant, highly-controllable performance boosts! Our exclusive technology dynamically optimizes essential aspects of your system based on real-time use, so you get superb CPU performance, everyday energy savings, ultra-stable digital power, cool and quiet fans and even networking and audio settings that are tailored for the apps that you are using. In short, 5-Way Optimization ensures that your PC is perfect for gaming, entertainment, productivity or just about anything else! Games run swiftly and smoothly with high performance, prioritized bandwidth, and vivid sound. Fans stay whisper-quiet for everyday computing and ensure extreme cooling efficiency when gaming. Stutter is eliminated, ensuring smooth-running apps -- even under heavy loading. Energy efficiency is improved, so you'll save money. Crank up your PC instantly with the ASUS AI Suite 3 utility! The TurboV Processing Unit offers precise voltage control and advanced monitoring for the CPU and the graphics card, enabling great freedom to adjust CPU frequencies and ratios for optimized performance and for exploiting the potential out of your graphics card* *Please see the graphics card QVL With the Energy Processing Unit (EPU) you'll enjoy real-time, system-wide power savings — for gaming kicks that won't cost the earth! EPU automatically detects and adjusts power consumption according to your rig's needs, so you save money without compromising on thrills. EPU will also reduce CPU wattage to a set level and deliver even more savings with Away mode, creating an extreme energy-saving scenario that shuts down unused extra I/O controllers and reduces the power level of the graphics card. That means full power for your gameplay — and then total energy efficiency when you step away! Play quieter and cooler with advanced fan and water-pump controls for the ultimate in undisturbed gaming. With onboard thermal sensors and hardware-level 4-pin/3-pin PWM/DC mode detection, Fan Xpert 4 makes sure every fan achieves the best balance of high cooling performance and low noise -- so you enjoy all the performance you demand with none of the racket! With high-end graphics cards being a significant source of heat in any build, the GPU has a bigger impact on case temperatures than any other component. With Fan Xpert 4 you're now able to set the GPU temperature as a fan-tuning source, enabling a dynamic cooling response to system power output! To go faster than fast you need ultra-accurate power control — so ROG Strix Z270 series motherboards are kitted out with ASUS Digi+ Power Control for maxed-out overclocking potential, enhanced system stability and superb power efficiency. Digi+ Power Control is the industry's leading digital power controller and it's fully compliant with Intel's IMVP8 specifications, for smoother, safer power. ASUS Turbo App is the intuitive tuning panel to boost everything to secure your victory in your favorite titles! Overclock your CPU, prioritize game data across your network and optimize the audio settings for fantastically clear audio and in-game-chat. History is written by the victors, so don't go to war without Turbo App. Uniquely intelligent technology that effectively caches an entire storage device so that favorite games and apps launch at breakneck speeds, getting to work the moment it's activated. RAMCache II turns milliseconds into microseconds to boost game-load times -- and of course it's compatible with the latest NVM Express storage options! Automatically caches all your storage devices at the same time for optimal use of your system’s caching resources. The smoothest, slickest mouse-controlled graphical BIOS has been improved to make it even more appealing. Whether you're a PC novice or a seasoned overclocker, the EZ and Advanced Modes help you find your way. In EZ Mode you can get set up very quickly, applying the date and time, fan profiles and Intel Extreme Memory Profile (XMP) memory profiles. Switch to Advanced Mode to set up favorites and shortcuts, record and review recent changes with Last Modified or make notes in Quick Notes. CrashFree BIOS 3 Never again worry about corrupted BIOS, as CrashFree BIOS 3 lets you restore a PC to working order — even when it won't boot! EZ Flash 3 Update the latest BIOS via the internet or from within the system BIOS. ROG Strix Z270F Gaming features the very latest Intel Ethernet (I219-V) for faster, smoother gaming. Intel's LAN has the serious double advantage of reducing CPU overhead while offering exceptionally high TCP and UDP throughput. This significantly reduces the processor's workload, so there's more power for gaming. HIGH TCP & UDP THROUGHPUT LANGuard means safer, more reliable connections for your battles! Advanced signal-coupling technology and premium surface-mounting processes join forces to protect your Strix Z270F Gaming's connection and deliver pumped-up throughput, plus electrostatically guarded and surge-protected components (ESD Guards) for 1.9x-greater tolerance to static electricity and 2.5x-greater protection (up to 15KV) against surges! Surface-mounted capacitors EMI Cover GameFirst IV optimizes network traffic for faster, lag-free online gaming — and now we've added Multi-Gate Teaming to team all your networks for maximum bandwidth and the smoothest-ever gameplay. You'll also enjoy all-new Intelligent mode, which automatically compiles a database by parsing new app data to ensure that every game is optimized for the best performance. Dual PCIe Gen3 x4 M.2 slots (1x type 22110, 1x type 2280) provide NVMe SSD RAID support for an incredible performance boost. Create a RAID configuration with up to three PCIe Gen3 storage devices via two M.2 slots and a PCIe x16 slot to enjoy the world's fastest data-transfer speeds on the 7th Generation Intel Core platform. With one USB 3.1 Type-A port and one reversible USB 3.1 Type-C port, you'll experience data-transfer speeds of up to 10Gbps — twice as fast USB 3.0. USB 3.1 is also completely backward-compatible with existing USB devices -- so you'll be set for breakneck USB 3.1 speeds with every connection. And as an added bonus, ASUS-exclusive USB 3.1 Boost technology automatically accelerates USB 3.1 performance even further. ASUS SafeSlot is the PCIe slot reinvented. Featuring a new single-step, insert-molding manufacturing process that integrates fortifying metal and additional solder points, SafeSlot provides stronger PCIe device retention and greater shearing resistance. Onboard LEDs to Indicate the power status, and problems with the CPU, memory, graphics card or boot device for quick diagnosis. Three-step simplicity and safety—just pop your CPU in the special tool; insert the tool directly into the CPU socket; close the latch; then you're good to go! All-new ROG Clone Drive is the smart, convenient cloning solution that quickly and efficiently replicates hard drives or SSDs. Clone Drive is so smart that it can clone one drive to two target drives at the same time, or image any file from your disk at breakneck speeds. ROG Strix Z270F Gaming isn't just VR Ready — it goes way beyond! The ASUS ROG Beyond VR Ready marque means that ROG Strix Z270F Gaming has been tested with loads of class-leading components to ensure that your productivity, gaming and entertainment needs are tuned for maximum performance after you've taken off the headset. ASUS Beyond VR Ready opens up a new way to configure and build your dream system with total confidence. Intel® Z270 chipset The Intel® Z270 is a single-chipset design that supports 7th Generation and 6th Generation Intel LGA1151 Core™ i7/Core i5/Core i3/Pentium®/Celeron® processors. It provides improved performance by utilizing serial point-to-point links, allowing increased bandwidth and stability. Additionally, the Z270 provides a maximum of 10 USB 3.0 ports, six SATA 6Gbps ports, and 32Gbps M.2 and PCIe 3.0 lane speed support, for faster data retrieval. Intel Z270 also supports integrated graphics, so you'll enjoy the very latest in graphics performance. Ready for 7th Generation and 6th Generation Intel LGA1151 Core i7/Core i5/Core i3/Pentium/Celeron processors The ROG Strix Z270F Gaming motherboard supports 7th Generation and 6th Generation Intel Core™ i7/Core i5/Core i3/Pentium®/Celeron® processors in the LGA1151 package. Integrated graphics, memory and PCI Express controllers support onboard graphics output with dedicated chipsets, two-channel (4-DIMM) DDR4 memory and 16 PCI Express 3.0/2.0 lanes for great performance. Email Us Find service locations Dit product is niet (meer) verkrijgbaar bij de bij Hardware Info aangesloten shops. Formaat ATX CPU socket Socket 1151 Intel Coffee Lake compatible Chipset Intel Z270 Type geheugen DDR4 Formaat ATX Ondersteunde processor(s) Intel Core i3 / i5 / i7 / Celeron / Pentium CPU socket Socket 1151 Aantal sockets 1 Intel Coffee Lake compatible Chipset Intel Z270 Type geheugen DDR4 Type modules DIMM ECC ondersteuning Hoogst instelbare geheugensnelheid DDR4-4266 Aantal geheugenkanalen 2 Aantal geheugensloten 4 Intel XMP compatible Maximum intern geheugen 64 GB DDR3 SODIMM-sloten 0 DDR3 DIMM-sloten 0 DDR4 DIMM-sloten 4 DDR4 SODIMM-sloten 0 Totaal aantal fysieke PCI-Express x16 sloten 3 PCI-Express 4.0 x16 sloten 1 PCI-Express x8 sloten 0 PCI-Express x4 sloten 0 Totaal aantal fysieke PCI-Express x1 sloten 4 PCI-Express 3.0 x1 sloten 2 Totaal aantal lanes alle PCI-Express x16 sloten 20 PCI-Express versie (hoogste) 3.0 Mini PCI-Express aansluitingen 0 PCI-sloten 0 Nvidia SLI compatible Nvidia SLI (2-way) Nvidia SLI (3-way) Nvidia SLI (4-way) AMD CrossFire compatible AMD CrossFire (2-way) AMD CrossFire (3-way) AMD CrossFire (4-way) USB 2.0 - Totaal 6 USB 2.0 - extern 0 USB 3.0 (USB 3.2 Gen 1) - Totaal 8 USB 3.0 (USB 3.1 Gen 1) - Type-A poorten 4 USB 3.0 (USB 3.1 Gen 1) - Type-C poorten 1 USB 3.1 (USB 3.2 Gen 2) - Totaal 2 USB 3.1 (USB 3.2 Gen 2) - Type-A poorten 2 USB 3.1 (USB 3.2 Gen 2) - Type-C poorten 1 USB 3.1 (USB 3.2 Gen 2) - extern (type-a + type-c) 2 Thunderbolt Thunderbolt 3 USB 3.1 Boost software Serial ATA aansluitingen (totaal) 6 Serial ATA 300 aansluitingen 0 Serial ATA 600 aansluitingen 6 Serial ATA Express aansluitingen 0 eSATA aansluitingen 0 mSATA aansluitingen 0 M.2 aansluitingen 2 M.2 slot 1 type PCIe 3.0 x4 (4 GB/s) U.2 aansluitingen 0 Extra SATA (RAID) controller - RAID 0 ondersteuning RAID 1 ondersteuning RAID 5 ondersteuning RAID 10 ondersteuning D-Sub (VGA) uitgang DVI uitgang HDMI uitgang Aantal HDMI uitgangen 1 DisplayPort uitgang Aantal DisplayPort uitgangen 1 Onboard audio - Kanalen 7.1 Onboard audio - Codec chip Realtek ALC1220 Onboard audio - Codec type HDA S/PDIF ingang S/PDIF uitgang Dolby Digital Live DTS Connect Bijgevoegde audiosoftware Supreme FX Aantal netwerkaansluitingen 1 LAN - Chip Intel I219V LAN - Snelheid 1.000 Mbit/s Bluetooth Totaal aantal chokes 10 Primaire PWM controller Digi+ ASP1400BT CPU - Aantal mosfets per choke 2 CPU - Type mosfets ON Semiconductor 4C06B + 4C09B Mosfet Ampère rating 52 + 69 Fan aansluitingen (totaal) 6 Fan aansluitingen (4-pin) 6 Fan aansluitingen (PWM) 6 Fan snelheid afhankelijk van temperatuur VRM koeling Passief Chipset koeler Passief Maximale FSB/bClk frequentie 650 MHz Max. CPU voltage 1,7 V Max. VCCIO voltage 1,739 V Max. VCCSA voltage 1,8 V Max. geheugen voltage 2 V CPU PLL voltage tweaking (maximaal) 1,7 V North bridge / PCH 1.05V/1.09V voltage tweaking (maximaal) 1,8 V Windows software voor overklokken meegeleverd Multiplier instelbaar Heatsinks op cpu stroomvoorziening CPU Turbo Modus uitschakelbaar HyperThreading/SMT uitschakelbaar Cores uitschakelbaar PCI-Express sloten hardwarematig uitschakelbaar Voltage meetpunten op moederbord Bevestiging koelblokken Schroeven bClk aanpasbaar Onboard speaker 100% Solid Condensators BIOS type EFI Dual BIOS Boot-menu in BIOS Flash-programma in BIOS BIOS profielen Probleem diagnose On-board Power / Reset switch On-board Clear CMOS switch BIOS-chip(s) vervangbaar Direct-naar-BIOS knop Intel turbo spec RGB Header RGB Pin-out 12V-GRB SKU 90MB0SV0-M0EAY0, STRIX Z270F GAMING, ROG STRIX Z270F GAMING, ASUS 1151 STRIX Z270F GAMING EAN 4712900572018, 0889349572016 Toegevoegd aan Hardware Info donderdag 5 januari 2017 Dit product is door Hardware Info getest op woensdag 8 februari 2017. Frequency response [+] 0,04 dB Rightmark Audio Analyzer Loopback test Frequency response [-] 0,03 dB Rightmark Audio Analyzer Loopback test Noise level 107,2 dB(A) Rightmark Audio Analyzer Loopback test Dynamic range 109,8 dB(A) Rightmark Audio Analyzer Loopback test Total Harmonic Distortion (THD) 0,0029 % Rightmark Audio Analyzer Loopback test Intermodulation Distortion (IMD) + Noise 0,004 % Rightmark Audio Analyzer Loopback test Stereo crosstalk 97,7 dB Rightmark Audio Analyzer Loopback test IMD+N (Swept frequency) 0,003 % Rightmark Audio Analyzer Loopback test 3DMark Skydiver 5.175 Intel Core i7 7700K, 2x 4 GB DDR4 2133, Geïntegreerde graphics, OCZ Arc 100 240GB (Windows 10 Pro x64) Passmark 8 CPUMark 12.118,7 Intel Core i7 7700K, 2x 4 GB DDR4 2133, Geïntegreerde graphics, OCZ Arc 100 240GB (Windows 10 Pro x64) Passmark 8 MemoryMark 2.966,3 Intel Core i7 7700K, 2x 4 GB DDR4 2133, Geïntegreerde graphics, OCZ Arc 100 240GB (Windows 10 Pro x64) Tech Arp x264 HD Benchmark 5.0.1 - Pass 1 84,38 fps Intel Core i7 7700K, 2x 4 GB DDR4 2133, Geïntegreerde graphics, OCZ Arc 100 240GB (Windows 10 Pro x64) Tech Arp x264 HD Benchmark 5.0.1 - Pass 2 21,85 fps Intel Core i7 7700K, 2x 4 GB DDR4 2133, Geïntegreerde graphics, OCZ Arc 100 240GB (Windows 10 Pro x64) Cinebench R15 988 Intel Core i7 7700K, 2x 4 GB DDR4 2133, Geïntegreerde graphics, OCZ Arc 100 240GB (Windows 10 Pro x64) DiskSPD Read (USB 3.1) 1.041,6 MB/s Intel Core i7 7700K, 2x 4 GB DDR4 2133, Geïntegreerde graphics, OCZ Arc 100 240GB (Windows 10 Pro x64) DiskSPD Write (USB 3.1) 947,6 MB/s Intel Core i7 7700K, 2x 4 GB DDR4 2133, Geïntegreerde graphics, OCZ Arc 100 240GB (Windows 10 Pro x64) Stroomverbruik - Idle (gemiddelde 5 min.) 19,2 W Intel Core i7 7700K, 2x 4 GB DDR4 2133, Geïntegreerde graphics, OCZ Arc 100 240GB (Windows 10 Pro x64) Stroomverbruik - Cinebench R15 (max) 96,8 W Intel Core i7 7700K, 2x 4 GB DDR4 2133, Geïntegreerde graphics, OCZ Arc 100 240GB (Windows 10 Pro x64) Gebruikte BIOS-versie tijdens test 0701 Intel Core i7 7700K, 2x 4 GB DDR4 2133, Geïntegreerde graphics, OCZ Arc 100 240GB (Windows 10 Pro x64) Standaard bClk waarde 100,29 MHz Intel Core i7 7700K, 2x 4 GB DDR4 2133, Geïntegreerde graphics, OCZ Arc 100 240GB (Windows 10 Pro x64) Standaard IGP Clock waarde 1.152 MHz Intel Core i7 7700K, 2x 4 GB DDR4 2133, Geïntegreerde graphics, OCZ Arc 100 240GB (Windows 10 Pro x64)

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