

MT20 Z590

Client & Workstation



- ✓ Ideal in all home & office contexts
- ✓ 11th generation Intel® Core™ processor
- ✓ Up to 128GB DDR4-3200 U-DIMM
- ✓ Intel® HD graphics with up to 3 simultaneous displays
- ✓ Support for dedicated PCI Express 4.0 x16 video cards
- ✓ Ultra-Fast M.2 with PCIe 4.0 x4 & SATA interface
- ✓ Built-in High Definition Audio 2/4/5.1/7.1-channel
- ✓ Trusted Platform Module Ready



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System	Processor	Socket LGA 1200 Intel® Core™ 11 th &10 th gen. Intel® Core™ i9 / i7 / i5 / i3 / Pentium	
	Chipset	Intel® Z590 Express Chipset	
	BIOS	1 x 256 Mb AMI UEFI BIOS PnP 1.0a, DMI 2.7, WfM 2.0, SM BIOS 2.7, ACPI 5.0	
	Expansion slots	1 x PCI Express 4.0 x16 1 x PCI Express 3.0 x4 (mechanical x16) 1 x PCI Express 3.0 x1	
	Memory	Max exp. 128GB Type DDR4- 3200/2933/2666/2400/2133 UDIMM 288pin 4GB, 8GB, 16GB, 32GB Slots 4	
Front I/O Interfaces	Audio	1 x Jack 3.5mm headphone 1 x Jack 3.5mm microphone	
	USB	2 x USB 3.2 Gen.1 Type A 2 x USB 2.0/1.1 Type A 1 x USB 2.0 Type C	
Back I/O interfaces	Serial	1 x RS232 (optional)	
	LPT	N/A	
	USB	1 x USB 3.2 Gen.2 Type A 4 x USB 3.2 Gen.1 Type A 1 x USB 3.2 Gen.1 Type-C®	
	Keyboard/Mouse	1 x PS/2	
	Audio	3 x Jack 3.5mm (Line In, Line Out, Mic In)	
	LAN	1 x RJ45	
	Video	1 x DVI-D 1 x HDMI 1 x DisplayPort	
	Storage	Integrated SATA ctrl 6 x SATA 3 6Gb/s 1 x ¹ M.2 (Socket 3, M key, 2260/2280 PCIe 4.0 x4x2) 1 x M.2 (Socket 3, M key, 2260/2280/22110 SATA & PCIe 3.0 x4x2) Support for RAID 0, 5, 10 Intel® Optane™ Memory Ready Card Reader Optional Internal bay 4 x ² HDD/SSD SATA 3.5" unit 1 x ² HDD/SSD SATA 2.5" or 3.5" unit External bay 3 x ² ODD 5.25" unit Note ¹ Supported by 11 th Generation processors only. ² Check the installed basic model and the available options on the web configurator	
	Graphics subsystem	Integrated video interfaces	Intel® HD Graphics (depends on the CPU model) Max shared memory: 512MB
		Max resolution	DVI-D: 1920x1200@60Hz HDMI 1.4: 4096x2160@30Hz (HDCP 2.3 support) DP 1.2: 4096x2304@60Hz (HDCP 2.3 support)
Multidisplay		Max 3 contemporary active displays	
Audio subsystem	Integrated audio Channel	Intel® HD Audio (codec Realtek®) 2 / 4 / 5.1 / 7.1	

Network subsystem	Integrated network controller	1 x 10/100/1000 Intel® GbE LAN
	Security	Trusted Platform Module Optional TPM2.0 module.
Power	Standard PSU	350W ATX ACTIVE PFC AC INPUT 200-240V, 2.5A, 50-60Hz
	Mechanical features	L x A x P
Weight		7.5 Kg for medium configuration
Internal bay		4 x 3.5" unit 1 x 2.5" or 3.5" unit
Software	External bay	3 x 5.25" unit 1 x 3.5" unit
	Colour	Black
Environment	Supported operating system	Microsoft Windows 10 64bit
	Operating temp.	From +5°C to + 35°C
Product certifications	Non op. temp.	From -20°C to +70°C
	Reference marks	RH 95% @ 30°C non cond.
Company	Reference standard	CE, RoHS
	Product code	Directives Built according to European Directive 2014/30/EU (EMCD), 2014/35/EU (LVD) & 2011/65/EU 2015/863/EU (RoHS III)
	Reference standard	UNI EN ISO 9001
	CNUNAFNLINO	MT20 Intel Z590, Gb Lan+SATA3, RAID, USB 2.0/3.0 Doc ref. ZST-4292-00000137-00



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