

Article-No.: 144629

exone Workstation Highend Tower Design AMD X13

Ryzen 9 7950x, 32GB, 500GB SSD, RTX A5000, W11Pro

The exone® workstation is equipped with the latest technology and system components. These offer outstanding performance, enormous graphics power and extreme reliability.

Even more speed! Thanks to the AMD B650 chipset and the PCIe 4.0 standard, graphics cards or NVMe SSDs can now also be connected with PCIe 4.0. The NVIDIA® RTX A4500 graphics solution used also ensures maximum performance and productivity. Strong performance thanks to the AMD Ryzen 7 5800x processor.

The workstation is even better suited for complex tasks and applications such as 3D simulations/animations, video & CAD/CAM, graphic design and much more.

This system has been tested by us and meets the minimum hardware requirements for a free upgrade to Windows 11.

* Upgrade timing may vary by device. Features and app availability may vary by region.

Specific hardware is required for certain features (see aka.ms/windows11-spec).

Technical data

Service

Service	3 years bring-in incl. replacement of parts in advance
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Keyboard/Mouse

keyboard

manufacturer	CHERRY®
model	Business Ultra Flat
interface	USB 2.0
color	black
liaison	corded
cable's length	1,8 m
splash-proof	yes
layout	German
numeric keypad	incl.
caret	incl.
hotkeys	calculator, email, browser, sleep mode
interoperability	Windows
lettering	lasered
particularity	modern flat design, whisper-quiet keystroke

mouse

manufacturer	CHERRY®
model	M5450
interface	USB 2.0
color	black
technology	optical
number of buttons	3
scroll wheel	yes



Highlights

- AMD Ryzen 7 Generation
- reliable AMD X570 chipset
- fast M.2 PCIe SSD
- powerful NVIDIA® RTX A4500
- up to 128 GB DDR4 memory
- Liquid cooling
- 3 years bring-in warranty incl. parts replacement



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liaison	corded
cable's length	1,8 m
particularity	ergonomic, ideal for left- and right-handers, easy scrolling
Power supply	
manufacturer	FSP Group
form factor	ATX
type	intramural
power	1000 Watt
fan type	135 x 135 mm
input voltage range	100 - 240V AC
current draw	12 - 6 A
certification	80 PLUS Gold
switch	yes
floppy Connector	1
Molex connector	5
SATA Connector	14
4+4 pin connector	2
6+2-pin connector	8
ATX20+4 pin	1
ATX	20+4 Pin 600mm mm
PCI Express	four times --> (6+2 Pin 500mm + 6+2 Pin 50mm) mm
Cable Harness 1	two times! -->(SATA 500mm + SATA 120mm+ HDD 120mm + HDD 120mm) mm
Cable Harness 2	SATA 500mm + SATA 120mm+ HDD 120mm + FDD 120mm mm
Cable Harness 3	SATA 500mm + SATA 120mm + SATA 120mm + SATA 120mm mm
Cable Harness 4	SATA 500mm + SATA 120mm + SATA 120mm + SATA 120mm mm
width	150 mm
hight	86 mm
deepth	150 mm
heart rate	50 - 60
CE	CE
CCC	yes
FCC	yes
TÜV	TÜV Rheinland
RoHS	yes
EAC	ja
Hard disk	
memory capacity	500 GB
type	M.2 2280
interface	M.2 PCIe® 4.0 x4 with max. 64 Gb/s (NVMe®)



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Graphic controller

graphic processor	NVIDIA® RTX A5000
manufacturer	NVIDIA®
memory size	24 GB
	24.000 MB
storage type	GDDR6
NVIDIA®- CUDA™ Processing Units	8.192
chip clock	1170 MHz
boost timing	1695 GHz
memory clock	2000 MHz
memory interface	384 -bit
memory bandwidth	768 GBps
screen connectors	4x DisplayPort 1.4
number of max. supported screens	4
Tilt	4x 4096x2160 (@120Hz) oder 2x 5120x2880 (@60Hz) oder 2x 7680x4320 (@60Hz)

Max. screen resolution

VGA	- Pixel
DisplayPort	7680x4320 (60Hz) Pixel
note scope of delivery	Scope of delivery without adapter

Features

DirectX	12 Ultimate
Shader Model	6.6
OpenGL	4.6
OpenCL	3.0
particularity	Echtzeit-Raytracing, Raytracing Cores (64), Tensor Cores (256), NVIDIA G-Sync, 10bit Farbkanaltiefe, NVIDIA NVLink, AV1 Decode, HDCP 2.3, Backplate

Form factor

max. energy consumption	230 Watt
power connectors	1x 8-pin
bus interface	PCI Express 4.0 x16
need for slots	2
cooling system	energetic

Operating system

installed operating system	Windows® 11 Pro HighEnd 64-bit
Main storage (2 x)	
size	16 GB

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technology	DDR5-UDIMM
form factor	DIMM
speed	4800 MHz
clock value	40
Housing PC	
manufacturer	Fractal
type	Midi Tower
form factor	ATX
front interface USB 3.1 Type-C™	1
front interface USB 3.0	2
front interface USB 2.0	2
front interface audio	2
power switches	yes
reset switch	yes
drive bays 5.25" external	1
drive bays 3.5" internal	6
drive bays 2.5" internal	2
Note	internal 3.5" bays are incl. 2.5" drive mounting bracket
number of expansion slots	7
number of front fans	3
front fan min. size	120 x 120 mm
front fan max. size	140 x 140 mm
number of fans	1
rear fan min. size	120 x 120 mm
return fan max. size	140 x 140 mm
color	black
dimensions (WxHxD)	240 x 474 x 547 mm
Processor	
manufacturer	AMD
marking	Ryzen™ 9
type	7950X
cpu socket	AM5
cores	16
threads	32
clock rate	4,50 GHz
max. clock frequency with AMD Turbo Core technology	5,70 GHz
L2 Cache	16000 KB

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L3 Cache	64 MB
max. TDP	170 Watt
processor graphic	AMD Radeon™ Graphics
ECC memory support	yes
Mainboard Desktop	
manufacturer	ASUS
marking	B650-Plus
form factor	ATX
socket	AM5
chipset	AMD B650
working memory max.	32 GB
memory slots	4
memory technology	DDR5-UDIMM
network	
network chipset	Realtek
transmission rate	100/1000/2500 MBit/s
rear interfaces	
USB 3.2 Gen2 (10Gbit/s) Typ C	1
USB 3.1	3
USB 3.0	2
USB 2.0	2
HDMI	1
DisplayPort	1
PCI Express x16 4.0	1
PCI Express x16 (x4 mode) 4.0	1
PCI Express x1 4.0	2
M.2 PCI Express	2
M.2 for SSD	2
USB 3.2 Gen1 (5Gb/s)	1
USB 2.0	2
hint	1x USB Header provides 2x USB Channel
SATA3 (6 Gb/s)	4
other	
RAID onboard	0/1/10