

Article-No.: 145457

exone Workstation Midrange X13

i7-13700K, 32GB, 1TB SSD, RTX A4000, W11Pro

Exone Workstation Midrange: Performance, in a classic design

The classic sleek tower design of the Midrange Series workstation fits perfectly into any office environment, while the powerful RTX graphics cards enable world-class 2D/3D modeling. Whether you need to work on complex design projects, perform rendering, or run virtual reality applications, this workstation gives them the power and speed they need.

Technical data

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
liaison	corded
cable's length	1,8 m
particularity	ergonomic, ideal for left- and right-handers, easy scrolling

Housing PC

manufacturer	exone
type	Midi Tower
form factor	ATX, Micro-ATX
front interface USB 3.2 Gen1 (5Gbit/s)	2
front interface USB 2.0	2
front interface audio	2



Highlights

- Intel® Core™ i7 12th & 13th Gen processor
- Intel® Z790 or H770 chipset
- powerful NVIDIA® RTX A cards



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power switches	yes
drive bays 5.25" external	4
drive bays 3.5" external	2
drive bays 3.5" internal	2
number of expansion slots	7
number of front fans	1
front fan min. size	80 x 80 mm
front fan max. size	120 x 120 mm
number of fans	1
rear fan min. size	80 x 80 mm
return fan max. size	120 x 120 mm
particularity	Use of halogen-free plastics, incl. air filter and Easy-Touch power switch
installation option	mounting on both sides possible
safety	Kensington Lock, lockable
color	black/silver
dimensions (WxHxD)	202 x 438 x 495 mm
hint	Dimensions incl. feet and front panel

Hard disk	
memory capacity	1000 GB
type	M.2 2280
interface	M.2 PCIe® 3.0 x4 with max. 32 Gb/s (NVMe®)

Running gear	
optical drive	DVD-RW +/- Burner
type	intramural
frame size	5,25"
cut surface	SATA

Operating system	
installed operating system	Windows® 11 Pro 64-bit

Main storage (2 x)	
size	16 GB
technology	DDR5 DIMM
form factor	DIMM
connector	288-pole
speed	4800 MHz
clock value	40

Processor	
manufacturer	Intel®
marking	Core™ i7



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type	13700K
cpu socket	LGA1700
cores	16
Performance Cores	8
Efficient Cores	8
threads	24
clock rate	2,50 GHz
clock rate (Power Core)	3,40
clock rate (Efficient Core)	2,50
max. clock frequency with Intel® Turbo Boost technology	New List Value GHz
bit set	64 bit
max. TDP	125 Watt
max. TDP Turbo	253 Watt
processor graphic	Intel® UHD Graphics 770
Intel® Hyper-Threading Technology	yes
Intel® Virtualization Technology (VT-x)	yes
ECC memory support	yes

Mainboard Workstation

Description	Asus Prime Z790-P DDR5
Form factor	ATX
CPU socket	LGA1700
CPU Note	Supports Intel Turbo Boost Technology 2.0 and Intel Turbo Boost Max Technology 3.0 (depending on CPU)
Chipset	Intel Z790
Working memory slots	4
Max. Working memory size	New List Value
Max. Mainboard memory	New List Value
Note working memory	DUAL channel memory architecture, Non-ECC, unbuffered DDR5 memory supports On-Die ECC function.
Graphics onboard	The graphics card specifications may vary depending on the CPU type. Please check
Graphic hint	Display Port supports a maximum of 4K@60Hz as specified for DisplayPort 1.4. HDMI port supports 4K@60Hz as specified for HDMI 2.1.
Network interface	1 x Intel 2.5 Gb Ethernet
PXE support	Yes
WOL support	Yes
Interfaces internal	3x USB 3.2, 2x USB 2.0, 3x M.2 PCIe, 4x SATA, 1x

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	Com Port, 1x Audio Panel, 1x TPM
Interfaces internal Note	1x USB 3.2 supports USB Type-C, 2x USB 3.2 supports 4x USB 3.2 ports, 2x USB 2.0 supports 4x USB 2.0 ports
WLAN	1x M.2 slot (Key E)
Audio	Realtek 7.1 Surround Sound High Definition Audio CODEC
PCIe expansion slots	1x PCIe 5.0 x16, 3x PCIe 4.0 x16 slots (support x4 mode), 1x PCIe 3.0 x1 slot
M.2 Connectors	3
M.2 Hints	New List Value
Trusted Platform Module (TPM)	yes (optional)
SATA ports	4
Rear interfaces	1 x USB 3.2 Gen 2x2 port (1 x USB Type-C®), 1 x USB 3.2 Gen 2 port (1 x Type-A), 2 x USB 3.2 Gen 1 ports (2 x Type-A, 4 x USB 2.0 ports (4 x Type-A), 1x DP Port, 1x HDMI Port, 1x LAN, 3x Audio, 2x PS/2
Graphic controller	
graphic processor	NVIDIA® RTX A4000
manufacturer	NVIDIA®
memory size	16 GB
storage type	GDDR6
NVIDIA®- CUDA™ Processing Units	6144
chip clock	735 MHz
boost timing	1560 GHz
memory interface	256 -bit
memory bandwidth	512 GBps
screen connectors	4x DisplayPort
number of max. supported screens	4
Tilt	7,680 x 4,320 (@60Hz)
Max. screen resolution	
VGA	- Pixel
Versions	DisplayPort 1.4
note scope of delivery	Scope of delivery without adapter
Features	
DirectX	12.0
Shader Model	5.1
OpenGL	4.5
OpenCL	3.0
Form factor	
max. energy consumption	140 Watt

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power connectors	1x 6-pin
bus interface	PCI Express 4.0 x16
need for slots	1
Power supply	
manufacturer	Fortron
model	PPA8501914
form factor	ATX
type	intramural
Service	
Service	3 years bring-in incl. replacement of parts in advance