

Article-No.: 144719

exone Workstation Entry Compact X12

i5-12600, 16GB, 500GB SSD, T1000, W11Pro

Power combined in a handy unit: The compact entry-level workstation, your gateway to unlimited creativity!

The exone Entry Compact X12 workstation is the perfect CAD workstation for anyone who wants to perform complex 3D simulations and analyses. The exone Entry Compact X12 workstation is the perfect choice for your workroom. With its elegant and space-saving design, it is exactly what you need to work efficiently.

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 Accessories

accessories	Graphic accessories mini Display port -> Display port adapter
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Housing PC

type	small desktop
form factor	Micro ATX
front interface USB 3.2 Gen1 (5Gbit/s)	2



Highlights

- Compact case 102 x 338 x 356 mm
- Intel® Core™ i5 processors 12th gen.
- Dedicated GPU NVIDIA® T1000



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front interface USB 2.0	2
front interface audio	2
power switches	integrated
drive bays 5.25" external	1
drive bays 3.5" external	1
drive bays 3.5" internal	1
drive bays 2.5" internal	1
Note	Fan included in delivery
number of expansion slots low profile	4
number of front fans	1
front fan min. size	80 x 80 mm
front fan max. size	80 x 80 mm
particularity	Front panel in mesh optics, incl. stand
can be used vertically	yes
horizontally applicable	yes
color	black
dimensions (WxHxD)	102 x 338 x 356 mm
type	intramural
form factor	TFX
power	250 Watt
refrigeration	energetic
fan type	80 x 80
input voltage range	100 - 240V AC V
average efficiency	85
certification	85 PLUS Bronze
ATX20+4 pin	1
4-pin Molex Connector	2
SATA Connector	2
4-pin connector	1
Main storage (2 x)	
size	8 GB
technology	DDR4-SDRAM
form factor	DDR-DIMM
connector	288-pole
speed	3200 MHz
tension	1,2 V
ECC	no



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Operating system

installed operating system	Windows® 11 Pro 64-bit
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Graphic controller

graphic processor	NVIDIA® T1000
manufacturer	NVIDIA®
memory size	8 GB
	8000 MB
storage type	GDDR6
NVIDIA®- CUDA™ Processing Units	896
chip clock	1065 MHz
boost timing	1395 GHz
memory clock	1250 MHz
memory interface	128 -bit
memory bandwidth	160 GBps
screen connectors	4x miniDisplayPort
number of max. supported screens	4
Tilt	4x 5120x2880 (@60Hz)

Max. screen resolution

VGA	- Pixel
miniDisplayPort	4x 5120x2880 (@60Hz) Pixel
Versions	Mini DisplayPort 1.4a

Features

DirectX	12.1
Shader Model	6.6
OpenGL	4.6
OpenCL	3.0

Form factor

max. energy consumption	50 Watt
bus interface	PCI Express 3.0 x16
need for slots	1

Hard disk

memory capacity	500 GB
type	M.2 2280
interface	M.2 PCIe® 3.0 x4 with max. 32 Gb/s (NVMe®)

Processor

manufacturer	Intel®
marking	Core™ i5
type	i5-12600

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cpu socket	LGA1700
cores	6
Performance Cores	6
threads	12
clock rate	3,30 GHz
clock rate (Power Core)	4,80
bit set	64 bit
max. TDP	65 Watt
max. TDP Turbo	117 Watt
processor graphic	Intel® UHD Graphics 770
Intel® Hyper-Threading Technology	yes
Intel® Virtualization Technology (VT-x)	yes
ECC memory support	yes

Mainboard Desktop

manufacturer	ASUS
marking	PRO B660M-C D4-CSM
form factor	Micro ATX
socket	LGA1700
chipset	Intel® B660
working memory max.	128 GB
memory slots	4
memory technology	DDR4-SDRAM
max. resolution VGA	1,920 x 1,080 pixels @60Hz
max. resolution HDMI	4,096 x 2,160 pixels @60 Hz (HDMI 2.1)
max. resolution DisplayPort	4,096 x 2,304 pixels @60Hz (DisplayPort 1.4)
max. number of supported displays	4

network

network chipset	Intel® i219V
transmission rate	10/100/1000 Mbps
PXE support	yes
Wake on LAN (WOL) support	yes
WLAN	optional
bluetooth	optional

audio

audio chipset	Realtek ALC 897
sound mode	7.1-channel high definition

rear interfaces

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USB 3.2 Gen1 (5Gbit/s)	2
USB 2.0	2
PS/2	2
VGA	1
HDMI	1
DisplayPort	2
Note monitor interfaces	HDMI 2.1 DisplayPort 1.4
LAN (RJ-45)	1
audio	line-in, line-out, microphone
PCI Express x16 4.0	1
PCI Express x1 3.0	2
M.2 for SSD	2
hint	for M.2 SSD (2242/2260/2280 SATA/PCIe® x4)
M.2 for WLAN	1
hint	for WLAN module (2230 CNVi/PCIe®)
USB 3.2 Gen1 (5Gb/s) header	1
hint	1x USB Header provides 2x USB Channel
USB 2.0 header	2
hint	1x USB Header provides 2x USB Channel
serial	2
parallel	1
Trusted Platform Module (TPM)	Onboard TPM 2.0 Unterstützung (Intel PTT)
SATA3 (6 Gb/s)	4
other	
RAID onboard	SATA RAID 0/1/5/10
24-hour continuous operation	yes
Service	
Service	3 years bring-in incl. replacement of parts in advance