

Article-No.: 147439

exone Business S Small X12

i3-12100 W11Pro

exone Business Small: THE PRACTICAL, SMALLEST STANDARD PC

Directly at the company headquarters, our development team has "achieved the smallest": The volume is only eight instead of the usual 25 liters! The same applies here: The clever cooling design enables very quiet operation despite the small dimensions and when using standard CPUs. The components are also designed for exactly this purpose - so that you and your teams can call up full performance with standard office solutions.

Technical data

Processor

manufacturer	Intel®
marking	Core™ i3
type	12100
cpu socket	LGA1700
cores	4
Performance Cores	4
threads	8
clock rate	3,30 GHz
clock rate (Power Core)	3,30
max. clock frequency with Intel® Turbo Boost technology	4,30 GHz
smartCache	12 MB
bit set	64 bit
max. TDP	New List Value Watt
max. TDP Turbo	New List Value Watt
max. TDP (Calmo S)	35 (Optimized in BIOS) wattage
processor graphic	Intel® UHD Graphics 730
Intel® Hyper-Threading Technology	yes
Intel® Virtualization Technology (VT-x)	yes

Operating system

installed operating system	Windows® 11 Pro 64-bit
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Mainboard Desktop

manufacturer	ASUS
marking	PRIME H610M-E D4
form factor	Micro ATX
socket	LGA1700
chipset	Intel® H610
working memory max.	64 GB
memory slots	2
memory technology	DDR4-UDIMM
max. resolution VGA	1,920 x 1,080 pixels @60Hz



Highlights

- Dimensions "exone Business Small" (WxHxD): 95 x 275 x 305 mm
- Optionally available as all-in-one solution with monitor stand
- Full performance thanks to latest processor technologies from Intel and AMD
- CPU flexibility depending on use - from Intel i3 to i7-T with up to 65W!
- Expandability: RAM: up to 4x DIMMs, SSD: 2x M.2-NVMe, PCIe cards in low-profile format
- Security aspects & availability: Encryption with TPM, Kensington Lock on the case
- Tool-less maintenance



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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	2
network	
network chipset	Realtek
transmission rate	10/100/1000 Mbps
PXE support	yes
Wake on LAN (WOL) support	yes
audio	
audio chipset	Realtek ALC 889
sound mode	7.1-channel high definition
rear interfaces	
USB 3.2 Gen1 (5Gbit/s)	2
USB 2.0	2
PS/2	2
VGA	1
HDMI	1
DisplayPort	1
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	1
M.2 for SSD	2
hint	für M.2 SSD (1x 2242/2260/2280 SATA/PCIe® x4 3.0), 1x 2242/2260/2280 PCIe® x2 3.0)
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	1
S/PDIF	S/PDIF out
Trusted Platform Module (TPM) Header	yes
Trusted Platform Module (TPM)	Firmware TPM (fTPM) im BIOS integriert®
SATA3 (6 Gb/s)	4

other



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Main storage

size	8 GB
technology	DDR4-SDRAM
form factor	DDR-DIMM
connector	288-pole
speed	3200 MHz
tension	1,2 V
ECC	no

Hard disk

memory capacity	250 GB
type	M.2 2280
interface	M.2 PCIe® 3.0 x4 with max. 32 Gb/s (NVMe®)

Housing PC

type	small desktop
form factor	Micro ATX
front interface USB 3.1 Type-C™	optionally available
front interface USB 3.2 Gen1 (5Gbit/s)	2
front interface USB 2.0	2
front interface audio	2
power switches	yes
drive bays 2.5" internal	1
number of expansion slots low profile	4
safety	Kensington Lock
color	black
dimensions (WxHxD)	95 x 275 x 305 mm
type	intramural
power	250 Watt
average efficiency	80
certification	80 PLUS Bronze

Service

Service	2 years bring-in incl. replacement of parts in advance
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System

Widening

free internal slots 2.5"	1
free M.2 slots	1

Scope of supply

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scope of supply	without mouse and keyboard - individually and optionally selectable
Additional software	
additional software	free of adware, , Microsoft® Office Preload (Buy Office now, get a license right away)
Ambient conditions	
operating temperature	5°C to 32°C
atmospheric humidity	10% to 75% (non-condensing)
Certifications	
Blue Angel	Our products meet the requirements of the Blue Angel
conformance	CE
grade	EXTRA Computer has a quality management system which is certified according to DIN ISO 9001