

Article-No.: 148585

## exone Business 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	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



### 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 case
- Tool-less maintenance



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<b>max. resolution HDMI</b>	4.096 x 2.160 pixels @60 Hz (HDMI 2.1)
<b>max. resolution DisplayPort</b>	4,096 x 2,304 pixels @60Hz (DisplayPort 1.4)
<b>max. number of supported displays</b>	4
<b>network</b>	
<b>network chipset</b>	Intel® i219V
<b>transmission rate</b>	10/100/1000 Mbps
<b>PXE support</b>	yes
<b>Wake on LAN (WOL) support</b>	yes
<b>WLAN</b>	optional
<b>bluetooth</b>	optional
<b>audio</b>	
<b>audio chipset</b>	Realtek ALC 897
<b>sound mode</b>	7.1-channel high definition
<b>rear interfaces</b>	
<b>USB 3.2 Gen1 (5Gbit/s)</b>	2
<b>USB 2.0</b>	2
<b>PS/2</b>	2
<b>VGA</b>	1
<b>HDMI</b>	1
<b>DisplayPort</b>	2
<b>Note monitor interfaces</b>	HDMI 2.1 DisplayPort 1.4
<b>LAN (RJ-45)</b>	1
<b>audio</b>	line-in, line-out, microphone
<b>PCI Express x16 4.0</b>	1
<b>PCI Express x1 3.0</b>	2
<b>M.2 for SSD</b>	2
<b>hint</b>	for M.2 SSD (2242/2260/2280 SATA/PCIe® x4)
<b>M.2 for WLAN</b>	1
<b>hint</b>	for WLAN module (2230 CNVi/PCIe®)
<b>USB 3.2 Gen1 (5Gb/s) header</b>	1
<b>hint</b>	1x USB Header provides 2x USB Channel
<b>USB 2.0 header</b>	2
<b>hint</b>	1x USB Header provides 2x USB Channel
<b>serial</b>	2
<b>parallel</b>	1
<b>Trusted Platform Module (TPM)</b>	Onboard TPM 2.0 Unterstützung (Intel PTT)
<b>SATA3 (6 Gb/s)</b>	4



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other	
RAID onboard	SATA RAID 0/1/5/10
24-hour continuous operation	yes
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	512 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	3 years bring-in incl. replacement of parts in advance
System	
Widening	

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free internal slots 2.5"	1
free M.2 slots	1
Scope of supply	
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