

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 threads	4
clock rate	8
clock rate (Power Core)	3,30 GHz
max. clock frequency with Intel® Turbo Boost technology	3,30
smartCache	4,30 GHz
bit set	12 MB
max. TDP	64 bit
max. TDP Turbo	New List Value Watt
max. TDP (Calmo S)	New List Value Watt
processor graphic	35 (Optimized in BIOS) wattage
Intel® Hyper-Threading Technology	Intel® UHD Graphics 730
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



Page 1 / 4

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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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	
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



Article-No.: 148585

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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