

Article-No.: 143648

exone Thin Client Highend X12

V1605B IGEL Ready *fanless*

Technical data

Operating system

installed operating system	IGEL OS11 Workspace Edition pre-installed IGEL Subscription must be purchased separately
hint	IGEL Subscription must be purchased separately

Mainboard Industry

manufacturer	Kontron®
marking	D3713-V2
form factor	Mini-ITX
socket	CPU vibration resistant soldered
CPU onBoard	AMD Ryzen Embedded V1605B (4x 2,00 GHz bis 3,60 GHz)
chipset	SoC
working memory max.	2x DDR4 PC2400, max 32 GB (ECC + Non-ECC)
memory max. size	32 GB
memory Slots	2
memory Technology	DDR4 SO-DIMM
graphic onBoard	AMD Radeon™ VEGA
max. resolution DisplayPort	4,096 x 2,304 pixels @60Hz (DisplayPort 1.4)

network

network chipset I	Intel® i210
transmission rate	10/100/1000 Mbps
network chipset II	Realtek RTL8111H
transmission rate	10/100/1000 Mbps
PXE support	yes
Wake on LAN (WOL) support	yes
Auto-Power-On function	yes

audio

audio chipset	Realtek ALC 256
sound mode	5.1-channel high definition

rear interfaces

USB 3.1	4
DisplayPort	4
LAN (RJ-45)	2
audio	line-in, line-out
serial	2
DC-IN	1
expansion slots	1x PCIe® x4 3.0, 1x M.2 M-Key 2230\2242\2280, 1x M.2 B-Key 3042/3052/2260/2280, 1x



Highlights

IGEL Ready



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	MiniPCIe® (fullsize/halfsize)
expansion slots	
PCI Express x4 3.0	1
mini PCI Express (half-size/full-size with mSATA)	1
M.2 Key-B SATA	1
internal interfaces	
USB 3.2 Gen1 (5Gbit/s)	1
USB 2.0	2
USB 2.0 stick	1
RS-232	1
RS-232/422/485	1
Trusted Platform Module (TPM)	yes
GPIO	8-bit I/O
LVDS	yes
backlight inverter	yes
SATA3 (6Gb/s)	2
SATA Power out	1
operating voltage I	8 - 36V DC
current consumption	10 A
24-hour continuous operation	yes
available until	2027
Main storage (2 x)	
size	4 GB
technology	DDR4-SDRAM
form factor	SO-DIMM
connector	260-pole
speed	2666 MHz
tension	1,2 V
clock value	19
Hard disk	
memory capacity	120 GB
type	M.2 2280
interface	M.2 PCIe® 3.0 x4 with max. 32 Gb/s (NVMe®)
Housing Industry	
manufacturer	Kontron®
type	Mini ITX
form factor	Mini ITX
front interface USB 3.0	2



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power switches	yes
2.5" internal	1
rear fan quantity	1
rear fan size	40 x 40 mm
hint	Fan included in delivery
particularity	suitable for continuous operation
installation option	feet, wall mounting
can be used vertically	yes
horizontally applicable	yes
19" Convertible	no
safety	Kensington Lock
degree of protection	IP 20
color	black
dimensions (W x H x D)	250 x 52 x 191 mm

Power supply

manufacturer	delta electronics
form factor	outboard
type	outboard
power	65 Watt
refrigeration	unfavourable
input voltage range	100 - 240V AC V
current draw	1,5 A
efficiency level	VI
output voltage	19 V
output voltage Ampere	3,42 A
hollow plug Outer diameter	5,5 mm
hollow plug Depth	12 mm
hollow plug inner diameter	2,5 mm
plug for external power supply unit	Hollow plug 5,5mm x 2,5mm x 12mm
hollow plug Polarity	Plus inside
hollow plug angle	90°
current supply	IEC2 shaver plug
width	45 mm
hight	30 mm
depth	105 mm
heart rate	50 - 60 Hz
CE	yes
TÜV	TÜV Rheinland
GS	Yes
RoHS	yes

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EAC	ja
Service	
Service	2 years bring-in incl. replacement of parts in advance
System	
Scope of supply	
scope of supply	without mouse and keyboard - individually and optionally selectable
Additional software	
additional software	free of adware
Ambient conditions	
noise emission	0 dB(A)
operating temperature	0°C to 40°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