

Article-No.: 132054

# exone Challenge Short Rack

4I1S1N-X-2134-16-1x128M.2/1

exone Challenge Short Series

Companies want to grow and they want to become more productive. The exone Challenge Server systems can help. With an IT that optimally supports the company and opens up completely new, innovative business areas. In such an IT, employees, processes and technologies intertwine effectively. With this cost-effective entry-level solution, companies are perfectly equipped for a successful start.

## Technical data

### Service

<b>Service</b>	3 years bring-in incl. replacement of parts in advance
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### Housing Server

<b>bloke</b>	1 HE
<b>form factor</b>	Mini ITX
<b>Front interface USB 2.0</b>	4
<b>Power Switches</b>	yes
<b>Reset switch</b>	yes
<b>3.5" internal</b>	1
<b>connection technology</b>	SATA
<b>Dimension (WxHxD)</b>	43 x 437 x 249 mm
<b>Integrated power supply</b>	200 watt 80Plus Gold, single

### Processor

<b>manufacturer</b>	Intel®
<b>marking</b>	Intel® Xeon E processor
<b>type</b>	E-2134
<b>cpu socket</b>	LGA1151
<b>cores</b>	4
<b>threads</b>	8
<b>clock rate</b>	3,50 GHz
<b>max. clock frequency with Intel® Turbo Boost technology</b>	4,50 GHz
<b>smartCache</b>	8 MB
<b>bit set</b>	64 bit
<b>max. TDP</b>	71 Watt
<b>Intel® Hyper-Threading Technology</b>	yes
<b>Intel® Virtualization Technology (VT-x)</b>	yes
<b>ECC memory support</b>	yes

### Main storage

<b>size</b>	16 GB
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## Highlights

- Short installation depth 249mm
- Up to 64Gb mainboard ECC memory possible
- Hardware based remote maintenance
- incl. M.2 SSD



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technology	DDR4-DIMM-ECC
form factor	DDR-DIMM
connector	288-pole
speed	3200 MHz
tension	1,2 V
ECC	yes
clock value	22

### System

Name	exone Challenge 4I1S1N-X
Manufacturer	exone

### CPU specifications

	Intel®
Processor type	E-2134
CPU Socket	LGA 1151
CPU Cores	4
CPU Threads	8
CPU clock frequency	3,50 GHz
CPU max. clock frequency	4,50 GHz
Max. TDP	71 W
Supported memory	DDR4-2666 ECC

### Mainboard specifications

Manufacturer	Supermicro
Name	X11SCL-IF
form factor	Mini ITX
socket	LGA1151
chipset	Intel® C242
Number of memory slots	2
Memory technology	DDR4-UDIMM
memory Max. Size	32
Max. Memory	64
Grafic chipset	Aspeed AST2500
Network chipset	Intel i210
IO Shield USB	2x USB 3.2, 2x USB 2.0
IO Shield VGA	1
IO Shield LAN (RJ45)	2
IO Shield Seriell	1
PCIe slots	1x PCIe® x16
internal ports	2x USB 3.2, 1x TypA, 2x USB 2.0
internal TPM	1
Mainboard SATA3 (6Gb/s)	4x SATA3 6Gb/s

### Hard disk

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Storage capacity	128GB
Type	M.2 SSD
Size	2280
Interface	SATA/PCI-E 3.0 x4
24 hours continuous operation	Yes
Housing	
Manufacturer	Supermicro
Enclosure	502-203B
Form factor	Micro-ATX
Hard drive bays	1x 3,5"
Connection technology	SATA
Rack	Yes
Dimension (W x H x D)	437 x 43 x 249
Power supply	200 Watt 80Plus, single