

# Datasheet

## 1U Intel single-CPU RI1101-SMXEH server

[Ver. 2.0]

### Highlights at a glance:

- Incl. Intel Pentium G7400, can be equipped with a CPU (Xeon E-2400 (Raptor Lake-E)) up to 8 cores
- Incl. 16 GB RAM, upgradeable up to 64GB RAM, (2 DIMMs)
- 2x (Not hot-swap) 2.5" drives, up to 15.36 TB
- Expandable with 1 FP/ HL additional card(s)
- 249 mm (D) installation depth saves space
- Integrated IPMI (dedicated NIC)
- Energy-efficient power supply (80 PLUS Gold (>87%))



### Mainboards

Manufacturer	ASUS
Mainboards	P13R-I
Chipset	Intel C262
Socket	Intel LGA 1700 - Server
Processor	Xeon E-2400 (Raptor Lake-E)
Main Memory	2 DIMMs 64 GiB DDR5 4800/4400 ECC Unbuffered
LAN Onboard	2 x 1 GBit/s LAN (RJ-45)
Additional card (optional)	PNY NVIDIA RTX A1000 (8GB)

## Extension-slots for additional cards

PCI slots (mainboard)	1x PCIe 5.0 x16
Available slots in the chassis	1x Full profile/Half Length
Possible Riser cards	1x PCI-E (x16) riser card

## Onboard ports

SATA-3 (6 Gb/s)	6x SATA-3 (6 Gbit/s) Intel C262 RAID 0, 1, 10, 5
M.2	1 x M.2 PCIe 3.0 x4
M.2 form factor	2280

## Drives / storage capacity

Drive slots (total)	2x 2.5" (Not hot-swap)
Backplane	without Backplane
Max. capacity HDD (SATA)	15.36 TB
Max. capacity SSD (SATA)	15.36 TB

## Server management

Remote management	Integrated IPMI (dedicated NIC)
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## Chassis

Unit	1U
Dimensions	43 mm (H), 437 mm (W), 249 mm (D),
drives (in scope of delivery)	not contained, optional available
Drives (optional)	External USB-drives
Fan (center)	2x 40x40x28mm non-hot-swap (13000rpm, 52.5dBA)

## Power supply

Power supply unit	1HE Supermicro Chassis CSE-504-203B
energy efficiency	90.51%
PMBus support	No

## Rack Assembly

Assembly rails	no mounting rails available
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## environment-requirements

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Recommended ambient temperature 20 - 22 degree

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Recommended humidity max. 40%

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Recommended deployment location To ensure the optimal cooling of the system, we recommend running the server in an air conditioned server room and as part of a rack installation.

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