

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	Supermicro
Mainboards	P13R-I	X13SCL-IF
Chipset	Intel C262	Intel C262
Socket	Intel LGA 1700 - Server	Intel LGA 1700 - Server
Processor	Xeon E-2400 (Raptor Lake-E)	Xeon E-2400 (Raptor Lake-E)
Main Memory	2 DIMMs 64 GiB DDR5 4800/4400 ECC Unbuffered	2 DIMMs 64 GiB DDR5 4800 ECC Unbuffered
LAN Onboard	2 x 1 GBit/s LAN (RJ-45)	2 x 1 GBit/s LAN (RJ-45)
LAN chipset		Intel i210
LAN Onboard (dedicated IPMI)		1
Onboard graphic		1x VGA ASPEED AST2600 BMC

Additional card (optional)	PNY NVIDIA RTX A1000 (8GB)	PNY NVIDIA RTX A1000 (8GB)
Onboard Input/Output		USB (no PS2 ports!) 1x TPM Header
USB ports		4x USB (rear) 2x USB 2.0, 2x USB 3.2 0x USB on board (type A)

Extension-slots for additional cards

PCI slots (mainboard)	1x PCIe 5.0 x16	1x PCIe 5.0 x16
Available slots in the chassis	1x Full profile/Half Length	1x Full profile/Half Length
Possible Riser cards	1x PCI-E (x16) riser card	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	6x SATA-3 (6 Gbit/s) Intel C262 RAID 0, 1, 10, 5
M.2	1 x M.2 PCIe 3.0 x4	1 x M.2 PCIe 3.0 x4
M.2 form factor	2280	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

environment-requirements

Recommended ambient 20 - 22 degree
temperature

Recommended humidity max. 40%

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