

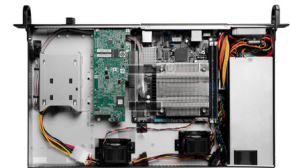
Datasheet

1U Intel single-CPU RI1101-SMXEFH 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 2.5" (Not hot-swap) up to 15.36 TB , SSDs: 15.36 TB
- Expandable with 1 FP/LP/ HL add-on card(s), 1x PCIe 5.0 x16
- Energy-efficient power supply 80 PLUS Gold (>87%)
- Integrated IPMI (dedicated NIC)



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

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/Low profile/Half Length	1x Full profile/Low 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)
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Backplane	without Backplane
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Max. capacity HDD (SATA)	15.36 TB
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Max. capacity SSD (SATA)	15.36 TB
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Server management

Remote management	Integrated IPMI (dedicated NIC)
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Chassis

Unit	1U
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Dimensions	43 mm (H), 437 mm (W), 249 mm (D),
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drives (in scope of delivery)	not contained, optional available
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Drives (optional)	External USB-drives
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Front USB ports	4
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Power supply

Power supply unit	1HE Supermicro Chassis CSE-505-203B
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energy efficiency	91%
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PMBus support	No
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Rack Assembly

Assembly rails	optionally available
rail length	333 - 840 mm

environment-requirements

Recommended ambient temperature	0 - 40 °C
Recommended humidity	max. 40%
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.
