

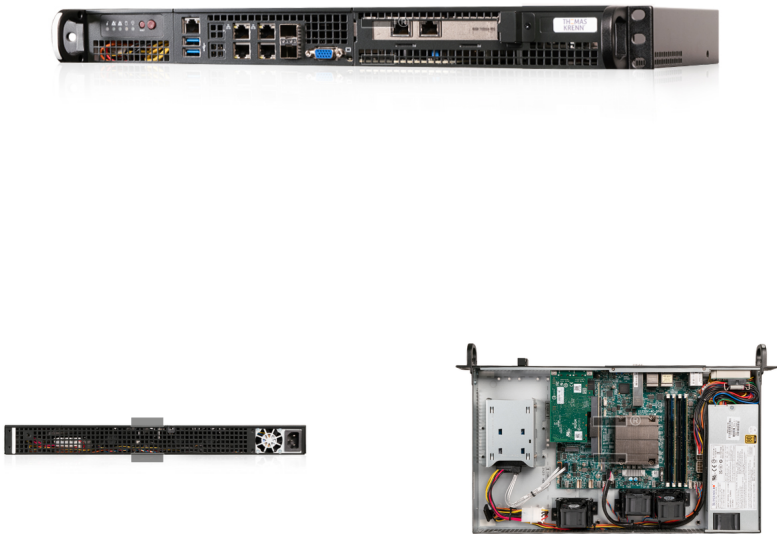
Datasheet

1U Intel single-CPU RI1102-SMXDFH server

[Ver. 1.0]

Highlights at a glance:

- Incl. Intel Xeon D-1718T
- Incl. 4 GB RAM, upgradable to 256GB RAM, (4 DIMMs)
- 2x (Not hot-swap) 2.5" drives, up to 15.36 TB
- 4x 1 Gbit/s LAN (RJ-45) 2x 25 Gbit/s LAN (SFP+)
- 249 mm (D) installation depth saves space
- Expandable with 1 FP/LP/ HL additional card(s)
- Integrated IPMI (dedicated NIC)
- Energy-efficient power supply (80 PLUS Gold (>87%))



Mainboards

Manufacturer	Supermicro
Mainboards	X12SDV-4C-SP6F
Chipset	Intel System on Chip
Socket	SoC Prozessor
Processor	Intel Xeon-D
Main Memory	4 DIMMs 256 GB DDR4 2933 RDIMM
LAN Onboard	4 x 1 GBit/s LAN (RJ-45)
LAN chipset	Intel D-1700 SoC (2x 25Gbit SFP+ / SFP28), Intel I350-AM2, Intel i210
LAN Onboard (dedicated IPMI)	1x RJ45 dedicated IPMI LAN port
Onboard graphic	1x VGA ASPEED AST2600 BMC

Onboard graphics maximum resolution	1920x1080@60Hz
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Onboard Input/Output	1x TPM Header
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USB ports	2x USB 3.0
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## Extension-slots for additional cards

PCI slots (mainboard)	1x PCIe 4.0 x8 1x PCIe 4.0 x8 (in x16)
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Available slots in the chassis	1x Full profile/Low profile/Half Length
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Possible Riser cards	1x PCI-E (x16) riser card
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## Onboard ports

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