

Datasheet

OSS Capacity

[Ver. 1.0]

Highlights at a glance:

- Storage system optimized for maximum capacity
- 36x 3.5" / 2.5" (Hot-swap) up to , SSDs:
- SAS-3 (12Gbit/s) expander backplane
- Energy-efficient power supply
80 PLUS Titanium (>96%)80 PLUS Platinum (>94%) red. NT
- Integrated IPMI (dedicated NIC)



Mainboards

Manufacturer	Supermicro
Mainboards	Supermicro X10DRi-T
Chipset	Intel C612
Socket	Intel LGA 2011-3
Processor	Intel Xeon E5-2600v4
Main Memory	bis zu 256 GB DDR4 2133 RDIMM (16 DIMMs)
LAN Onboard	2x 10 Gbit/s LAN (RJ-45)
LAN chipset	Intel X540
LAN Onboard (dedicated IPMI)	1x RJ45 Dedicated IPMI LAN port
Onboard graphic	1x VGA ASPEED AST2400
Onboard Input/Output	USB (no PS2 ports!) 2x SuperDOM (Disk on Module) Ports

	2x Fast UART 16550 Serial Port (RS-232) 2x COM Ports (1 rear, 1 header)
USB-ports	1x USB on board (type A) 3.0 4x USB (rear) 2x USB 2.0, 2x USB 3.0 4x USB 2.0, 2x USB 3.0

Onboard ports

SATA-3 (6 Gb/s)	10x SATA-3 (6 Gbit/s) Intel C612 RAID 0, 1, 10, 5, Software-Raid
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Extension-slots for additional cards

PCI slots (mainboard)	3 x PCIe 3.0 x16 3 x PCIe 3.0 x8
Available slots in the chassis	6 Low profile, Full Length

Storage capacity

Possible number of HDDs	36x 3.5" / 2.5" (Hot-swap)
Backplane	SATA / SAS-3 (12 Gb/s) expander backplane

Server management

Management software	Supermicro SuperDoctor 5
Remote management	Integrated IPMI (dedicated NIC)
Features	Managementsoftware IPMI View IPMI with KVM Over LAN Serial Over LAN (SOL) Virtual Media Over LAN (Virtual USB Floppy/CD and Drive Redirection) LAN Alert-SNMP Trap Event Log OS Independent Hardware Health Monitor Remote Power Control Support RMCP & RMCP + Protocols Fan Speed Control Dedicated 3. network interface card
IPMI-sensors	CPU-temperature (OK / warning) system-temperature (Celsius degree) Electronic voltage (volt) Cooler speed (RPM) Additional model-dependent sensors (www.thomas-krenn.com/ipmi-sensoren)

Chassis

Unit	4U
Dimensions	178 mm (H), 437 mm (W), 699 mm (D)
drives (in scope of delivery)	not contained, optional available
Drives (optional)	External USB-drives
Fan (center)	7x LP 80x80x38mm Hot-swap (7000rpm, 53.5dBA)
Silent blowerkit option	no

Power supply

Power supply unit	4HE Supermicro Chassis SC847BE1C-R1K28LPB
energy efficiency	94.13%
PMBus support	Yes, Ver.1.2PSU single: no, redundant PSU: Yes, Ver.1.2

Rack Assembly

Assembly rails	contained in the scope of supply
rail length	675-875 mm
Total length server front to end of assembly rail	825 mm
Max. extraction length	680 mm
Recommended maneuvering space	75 mm (minimum)

environment-requirements

Recommended environment-temperature (appropriate BSI)	20 - 22 degree
Recommended air humidity (appropriate BSI)	max. 40%