

Datasheet

2U Intel Single-CPU SC823 Server

[Ver. 1.0]

Highlights at a glance:

- HDDs up to SAS 6Gb/s or SATA 3Gb/s
- Server Hard Drives with Hot Swap Technology



Mainboards

Mainboards	Supermicro X7SBE
Chipset	Intel 3210 (Bigby-P)
Socket	Intel LGA 775
Processor	Intel Celeron S, Intel Xeon 3000, Intel Xeon 3100, Intel Xeon 3200, Intel Xeon 3300
Main Memory	bis zu 8 GB DDR2 667 ECC Unbuffered (4 DIMMs)
LAN Onboard	2 x 1 GBit/s LAN (RJ-45)
LAN chipset	Intel 82573V, Intel 82573L
Onboard graphic	1x VGA ATI ES1000 32 MB
Onboard Input/Output	2x PS/2 1x Fast UART 16550 Serial Port (RS-232) 1x Internal Serial Header

USB-ports	1x USB on board (type A) 2x USB (rear)
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Extension-slots for additional cards

Available slots in the chassis	6 Low profile, Full Length
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Storage capacity

Possible number of HDDs	6x 3.5"
Backplane	SATA/SAS-2 backplane

Server management

Management software	Supermicro SuperDoctor III
Remote management	IPMI (optional)
Features	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 Managementsoftware IPMI View
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	2U
Dimensions	89 mm (H), 426 mm (W), 650 mm (D)
drives (in scope of delivery)	1x Slim-DVD-ROM
Drives (optional)	1x 3,25" drive 1x 5,25" drive External USB-drives
Fan (center)	80x80x38mm (6300rpm, 51dBA)
Silent blowerkit option	no

Power supply

Power supply unit	2HE Supermicro Chassis SC823TQ
energy efficiency	75%

Rack Assembly

Assembly rails	contained in the scope of supply
rail length	470-870 mm
Total length server front to end of assembly rail	750 mm
Max. extraction length	720 mm
Recommended maneuvering space	75 mm (minimum)

environment-requirements

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