Datasheet

Workstation AMD single-CPU WA1004-FRTRS

[Ver. 1.0]

Highlights at a glance:

- Incl. AMD Ryzen Threadripper PRO 5965WX, up to 64 cores

- Incl. 16 GB RAM, upgradable to 1TB RAM, (8 DIMMs)

- Expandable with 6 FP add-on card(s), 6x PCIe 4.0 x16

- Up to 4x 2.5 SSDs and 4x M.2 SSDs

- Incl. 11 USB ports

- Energy-efficient power supply 80 PLUS Gold (>87%)

- Integrated IPMI onboard (onboard "shared" NIC)

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Mainboards

Manufacturer	Supermicro
Mainboards	M12SWA-TF
Chipset	AMD WRX80
Socket	AMD sWRX8
Processor	AMD Ryzen Threadripper Pro 5000 WX (Chagall PRO)
Main Memory	8 DIMMs 1 TB DDR4 3200 non-ECC Unbuffered/ECC Unbuffered/RDIMM/UDIMM
LAN Onboard	1 x 1 GBit/s LAN (RJ-45) 1x 10 Gbit/s LAN (RJ-45)
LAN chipset	Intel I210-AT, Marvell AQC113C
Onboard graphic	1x VGA ASPEED AST2600 BMC
Onboard graphics maximum resolution	1920x1080@60Hz
Additional card (optional)	PNY NVIDIA Quadro T1000 (4GB)
Onboard sound	7.1 CH HD Audio (Realtek ALC4050H+ALC1220)
Onboard Input/Output	USB (no PS2 ports!) 1x TPM 2.0 header
USB ports	7x USB (rear) 3.2, 3.0

Extension-slots for additional cards

PCI slots (mainboard)	6x PCIe 4.0 x16
Available slots in the chassis	6x Full profile/Full Length
Possible Riser cards	1x PCI-E (x8) Riserkarte

Onboard ports

M.2	4 x M.2 PCIe 3.0 x4
M.2 form factor	2280, 22110

Drives / storage capacity

Drive slots (total)	4x 2.5" (Not hot-swap) 4x 2.5" (Internal, non-hot-swap)
SAS / SATA slots	4x SAS / SATA
Backplane	SATA backplane

Server management

Management software	Supermicro SuperDoctor 5
Remote management	Integrated IPMI onboard (onboard "shared" NIC)

Chassis

Dimensions	566 mm (H), 240 mm (W), 604 mm (D),
drives (in scope of delivery)	not contained, optional available
Drives (optional)	External USB-drives 2x 5,25" Laufwerk
Front USB ports	4

Power supply

Power supply unit	850 Watt Silent Netzteil (80plus Gold)
energy efficiency	90%

environment-requirements

Recommended deployment location	Thanks to its design and low noise output (with optional silent kit), the system is optimally equipped for use in the office. With the 19" rack assembly conversion kit, the server can also be installed in a rack.