

Datasheet

Workstation Intel single-CPU WI1506-INXEN

[Ver. 1.0]

Highlights at a glance:

- Incl. Intel Pentium G6405, can be equipped with a CPU (Intel Xeon E-2300 (Rocket Lake)) up to 8 cores
- Incl. 4 GB RAM, upgradable to 128GB RAM, (4 DIMMs)
- 6x 3.5" / 2.5" (Hot-swap) up to 132 TB, SSDs: 76.8 TB
- Expandable with 4 FP/ HL add-on card(s), 2x PCIe 3.0 x4 (in x8) 1x PCIe 4.0 x16
- Integrated IPMI (dedicated NIC)
- Conversion kit available (for use with a 19" rack).



Mainboards

Manufacturer	Supermicro	Supermicro	ASUS
Mainboards	X12STH-F	X12STH-LN4F	P12R-E/10G-2T
Chipset	Intel C252	Intel C256	Intel C256
Socket	Intel LGA 1200	Intel LGA 1200	Intel LGA 1200
Processor	Intel Xeon E-2300 (Rocket Lake)	Intel Xeon E-2300 (Rocket Lake)	Intel Xeon E-2300 (Rocket Lake)
Main Memory	4 DIMMs 128 GB DDR4 3200 ECC Unbuffered	4 DIMMs 128 GB DDR4 3200 ECC Unbuffered	4 DIMMs 128 GB DDR4 3200 ECC Unbuffered
LAN Onboard	2 x 1 GBit/s LAN (RJ-45)	4 x 1 GBit/s LAN (RJ-45)	2x 10 Gbit/s LAN (RJ-45)
LAN chipset	Intel i210	Intel i210	Intel X710-AT2
LAN Onboard (dedicated IPMI)	1 Management LAN	1x Management LAN	1
Onboard graphic	1x VGA ASPEED AST2600 BMC	1x VGA ASPEED AST2600 BMC	1x VGA, 1x HDMI ASPEED AST2600 BMC
Additional card (optional)	PNY NVIDIA Quadro T1000 (4GB)	PNY NVIDIA Quadro T1000 (4GB)	PNY NVIDIA Quadro T1000 (4GB)
Onboard Input/Output	USB (no PS2 ports!) 1x TPM Header	USB (no PS2 ports!) 1x TPM Header	1x PS/2 1x TPM Header
USB ports	4x USB (rear) 2x USB 2.0, 2x USB 3.2 Gen1 1x USB on board (type A) (USB 3.2)	4x USB (rear) 2x USB 2.0, 2x USB 3.2 Gen1 1x USB on board (type A) (USB 3.2)	4x USB (rear) 2x USB 3.2 Gen1, 2x USB 3.2 Gen2 1x USB on board (type A) (USB 3.2)

Extension-slots for additional cards

PCI slots (mainboard)	1x PCIe 3.0 x4 (in x8) 1x PCIe 4.0 x16	1x PCIe 3.0 x4 (in x8) 1x PCIe 4.0 x16	2x PCIe 3.0 x4 (in x8) 1x PCIe 4.0 x16 1x PCIe 4.0 x8
Available slots in the chassis	3x Full profile/Half Length	3x Full profile/Half Length	4x Full profile/Half Length
Possible Riser cards	1x PCI-E (x8) Riserkarte	1x PCI-E (x8) Riserkarte	1x PCI-E (x8) Riserkarte

Onboard ports

SATA-3 (6 Gb/s)	8x SATA-3 (6 Gbit/s) Intel C256 RAID 0, 1, 10, 5	8x SATA-3 (6 Gbit/s) Intel C256 RAID 0, 1, 10, 5, Software-Raid	8x SATA-3 (6 Gbit/s) Intel C256 RAID 0, 1, 10, 5
M.2	1 x M.2 PCIe 3.0 x4	1 x M.2 PCIe 3.0 x4	2 x M.2 PCIe 3.0 x2
M.2 form factor	2280, 22110	2280, 22110	2280, 22110

Drives / storage capacity

Drive slots (total)	6x 3.5" / 2.5" (Hot-swap) 5x 2.5" (Internal, non-hot-swap)
SAS / SATA slots	6x SAS / SATA
NVMe / SAS / SATA hybrid slots	4x NVMe / SAS / SATA (hybrid)
Backplane	SATA / SAS-3 / NVMe (12 Gb/s)
Max. capacity HDD (SAS)	132 TB
Max. capacity HDD (SATA)	132 TB
Max. capacity SSD (SATA)	46.08 TB
Max. capacity SSD (SATA)	46.08 TB
Max. capacity SSD (U.2 NVMe)	61.44 TB

Server management

Management software	Supermicro SuperDoctor 5
Remote management	Integrated IPMI (dedicated NIC)

Chassis

Unit	5U
Dimensions	430 mm (H), 200 mm (W), 460 mm (D),
Drives (optional)	External USB-drives
Front USB ports	1

Power supply

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

Rack Assembly

Assembly rails	19" conversion-kit possible, optional available
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environment-requirements

Recommended ambient temperature	20 - 22 degree
Recommended humidity	max. 40%
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.