



OKAM K01-22A0

Universal Server

2U DP 24+2-Bay Gen5 NVMe / SATA / SAS-4



Key Features

- Dual AMD EPYC™ 9005 Series processors
- 24 x DIMMs, 12-channel DDR5 RDIMM
- 24 x 2.5" Gen5 NVMe / SATA / SAS-4 hot-swap bays
- 2 x 2.5" Gen5 NVMe / SATA / SAS-4 hot-swap on the rear
- 2 x FHFL PCIe Gen5 x16 slots
- 2 x FHFL PCIe Gen5 x8 slots
- 2 x FHHL PCIe Gen5 x8 slots
- 1 x HHHL PCIe Gen5 x8 slot
- 1 x OCP 3.0 PCIe Gen5 x16 slot
- 1 x OCP NIC 3.0 PCIe Gen5 x8 slot
- 1+1 2000W 80 PLUS Titanium redundant power supplies

Storage-intensive applications

Large databases

HPC

Specifications

Dimensions 2U (W438 x H87 x D770 mm)

CPU AMD EPYC™ 9005 Series processors
Dual processor, cTDP up to 500W
• The EPYC 9005 series processors with a TDP of 500W are supported only under ambient temperatures of 25°C

OS compatibility Visit our website for a list of compatible operating systems

Socket 2 x LGA 6096 (Socket SP5)

Chipset System on Chip

Memory 24 x DIMMs, 12-channel DDR5 RDIMM
Up to 6400 MT/s

LAN 1 x 10/100/1000 Mbps Management LAN
1/2/4 Port OCP NIC support

Video Integrated in ASPEED® AST2600:
• 1 x Mini DisplayPort

Storage **Front hot-swap:**
24 x 2.5" Gen5 NVMe / SATA / SAS-4*

Rear hot-swap:
2 x 2.5" Gen5 NVMe / SATA / SAS-4*

Internal M.2:
2 x M.2 (2280), PCIe Gen5 x4

*SAS card is required to support SAS drives

RAID Requires RAID add-in cards

Backplane board **Front:** PCIe Gen5 or SATA6Gb/s or SAS-4 24Gb/s
Rear: PCIe Gen5 or SATA6Gb/s or SAS-4 24Gb/s

PCIe expansion slots 2 x FHFL PCIe Gen5 x16 slots
2 x FHFL PCIe Gen5 x8 slots
2 x FHHL PCIe Gen5 x8 slots
1 x HHHL PCIe Gen5 x8 slot
1 x OCP 3.0 PCIe Gen5 x16 slot
1 x OCP NIC 3.0 PCIe Gen5 x8 slot

I/O ports **Front:**
1 x USB 3.2 Gen1, 1 x USB 2.0
Rear:
2 x USB 3.2 Gen1, 1 x Mini DisplayPort, 1 x MLAN

Security modules TPM 2.0

Power supply 1+1 2000W 80 PLUS Titanium redundant power supplies
AC Input: 100-240V

System management ASPEED® AST2600 Baseboard Management Controller
KERNO Management Console web interface

System fans 6 x 60x60x56 mm

Operating properties Operating: 10°C to 30°C, 8% to 80% (non-condensing)
Non-operating: -40°C to 60°C, 20% to 95% (non-condensing)

Packaging content 1 x 2U chassis
1 x Mini DisplayPort to D-Sub cable
1 x 2-section rail kit

Warranty 3- to 5-year limited warranty



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Universal Server

2U DP 12+2-Bay Gen5 NVMe / SATA / SAS-4 + 2 x PCIe Gen5 GPUs



Key Features

- Supports up to 2 x dual-slot Gen5 GPUs
- Dual AMD EPYC™ 9005 Series processors
- 24 x DIMMs, 12-channel DDR5 RDIMM
- 12 x 3.5"/2.5" Gen5 NVMe / SATA / SAS-4 hot-swap bays
- 2 x 2.5" Gen5 NVMe / SATA / SAS-4 hot-swap on the rear
- 2 x FHFL PCIe Gen5 x16 slots for GPUs
- 2 x FHHL PCIe Gen5 x16 slots
- 1 x HHHL PCIe Gen5 x8 slot
- 1 x OCP 3.0 PCIe Gen5 x16 slot
- 1 x OCP NIC 3.0 PCIe Gen5 x8 slot
- 1+1 2000W 80 PLUS Titanium redundant power supplies

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Large databases

HPC

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Chipset

System on Chip

Memory

24 x DIMMs, 12-channel DDR5 RDIMM
Up to 6400 MT/s

LAN

1 x 10/100/1000 Mbps Management LAN
1/2/4 Port OCP NIC support

Video

Integrated in ASPEED® AST2600:
• 1 x Mini DisplayPort

Storage

Front hot-swap:
12 x 3.5"/2.5" Gen5 NVMe / SATA / SAS-4*
Rear hot-swap:
2 x 2.5" Gen5 NVMe / SATA / SAS-4*
Internal M.2:
2 x M.2 (2280), PCIe Gen5 x4
*SAS card is required to support SAS drives

RAID

Requires RAID add-in cards

Backplane board

Front: PCIe Gen5 or SATA6Gb/s or SAS-4 24Gb/s
Rear: PCIe Gen5 or SATA6Gb/s or SAS-4 24Gb/s

PCIe expansion slots

2 x FHFL PCIe Gen5 x16 slots for GPUs
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TPM 2.0

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1 x Mini DisplayPort to D-Sub cable
1 x 2-section rail kit

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3- to 5-year limited warranty