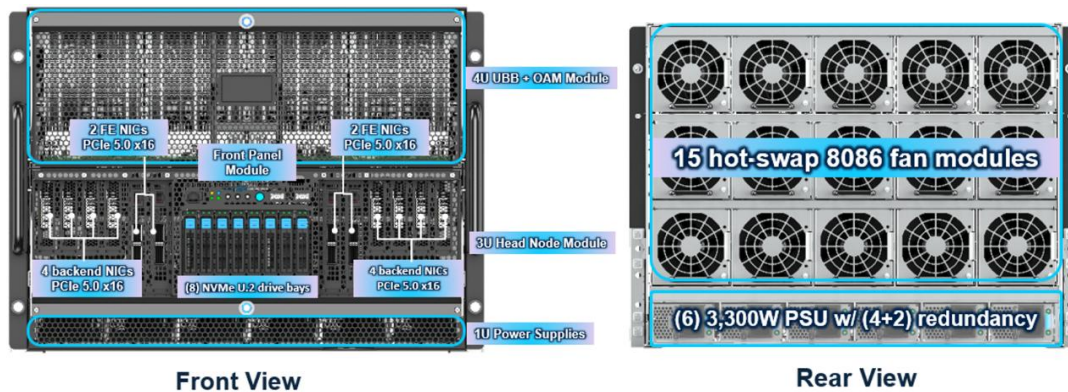


DATA SHEET

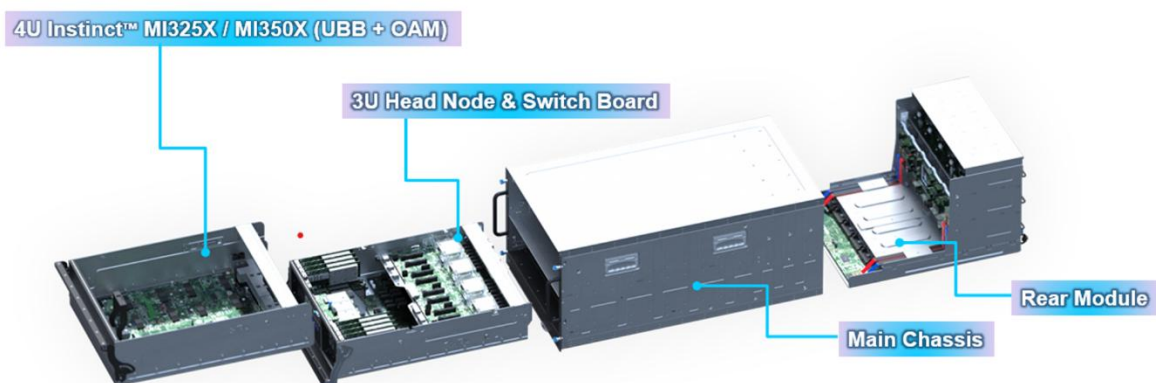
KS-AS-RD885G-Mi325X

8U AI/HPC Rackmount Server — AMD EPYC™ 9575F + (8) AMD Instinct™ MI325X GPU Platform



Key Highlights

- (2) AMD EPYC™ 9575F 5th Gen CPUs (Turin), 64 cores / 3.3 GHz, up to 256 MB+ L3 cache
- (8) AMD Instinct™ MI325X GPU accelerators integrated
- (12+12) DIMM slots — up to 6 TB RDIMM DDR5-6400 memory support
- (8) Half-Height + (4) Full-Height PCIe 5.0 x16 expansion slots
- (2) NVMe M.2 2280/22110 slots
- (8) hot-swap 2.5" NVMe U.2 drive bays
- (15) hot-swap fans with N+1 redundancy
- (4+2) 13,200 W hot-swap redundant power supplies, 80 PLUS Titanium



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System & Storage

System	
Form Factor	8U Rackmount
Dimensions	33.46" x 17.63" x 13.82" (850 x 448 x 351 mm)
Server Model	KS-AS-RD885G
Front Panel	
Buttons	(1) Power w/ LED, (1) UID, (1) Reset
LEDs	(1) Power, (1) LAN, (1) System Event
I/O Ports	(2) USB 3.2 Gen 1 ports, (1) VGA D-Sub 15-pin port, (1) GbE port dedicated for IPMI
Storage	
Front Side Drive Bay	(8) NVMe U.2 hot-swap bays
Internal Side	(2) NVMe M.2 2280/22110 slots

Power Supply	
Type	4+2 redundant (AC 220~240V / 16A)
Output Watts	3,300 W per module
Efficiency	80 PLUS Platinum
System Fan	
Fan	(15) 80x86mm hot-swap fans w/ (N+1) redundancy

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Processor & Memory

CPU	
Processor	(2) AMD EPYC™ 9575F, 5th Gen, 64 cores, 3.3 GHz, 256 MB+ L3 cache
Socket	(2) AMD Socket SP5
Thermal Design Power	Up to 500 W (cTDP)
Chipset	System on Chip (SoC)

System Memory	
Supported DIMM Quantity	12+12 DIMM slots
Supported Type	RDIMM DDR5-6400 MT/s, 12 channels per CPU
Max. Capacity per DIMM	RDIMM: 256 GB
Max. DIMM Frequency	6,400 MHz
Voltage	1.1 V

Expansion & GPU

PCIe Expansion Slots	
Slots (SLOT7 closest to CPU)	(4) PCIe Gen 5 x16 slots (FH/HL) + (8) PCIe Gen 5 x16 slots (HH/HL)
GPU	
Supported GPU Series	(8) AMD Instinct™ MI325X

Management, Security & BIOS

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Graphics / Server Management

BMC Controller	ASPEED AST2600
Resolution	Up to 1920 x 1200
AST2600 iKVM Feature	24-bit high-quality video compression; storage-over-IP and remote platform-flash support; USB 2.0 virtual hub
AST2600 IPMI Feature	IPMI 2.0-compliant BMC; 10/100/1000 Mb/s MAC interface

Security

TPM Support	Infineon TPM 2.0, SPI interface, FW 7.85
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System BIOS

BIOS Type	AMI, 32 MB
BIOS Features	Hardware monitor; automatic fan speed control; boot from USB device; PXE via LAN/Storage; console redirection; SMBIOS 3.7; PnP; Wake on LAN; ACPI 6.5; ACPI sleep states S0, S5

Environment

Temperature	Operating: 10°C ~ 35°C (50°F ~ 95°F); Non-operating: -40°C ~ 70°C (-40°F ~ 158°F)
Humidity	85% operating; 90% non-operating

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Supported Operating Systems

Platform	Supported Versions
Canonical Ubuntu (Recommended Platform)	Ubuntu 24.04 LTS (native support); Ubuntu 22.04 LTS (requires 5.15 GA kernel — do not use upgraded HWE kernels)
Red Hat Enterprise Linux (RHEL)	RHEL 10.0 or newer (RHEL 9.4/9.5 and RHEL 8.x are not supported for the MI325X accelerator)
SUSE Linux Enterprise Server	SLES 15 SP6 or newer
Community Enterprise Linux	AlmaLinux 9.x (match kernel capabilities required by the AMD ROCm framework)

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Approved Vendor List (AVL) — Processors

Maker	Part Number	Series	Description
AMD	100-000001443	TURIN	AMD EPYC™ 9755 Processor (500W, 512MB Cache, 2.7GHz, 128C)
AMD	100-000001554	TURIN	AMD EPYC™ 9575F Processor (400W, 256MB Cache, 3.3GHz, 64C)

Approved Vendor List (AVL) — Memory

Maker	Part Number	Type	Description
SK Hynix	HMCG88AHBRA	R	32GB 2Rank 6400
SK Hynix	HMCGM4MGBRB	R	96GB 2Rank 5600
SK Hynix	HMCGM4MHBRB	R	96GB 2Rank 6400
Samsung	M321R4GA3EB2-CCP	R	32GB 2Rank 6400
Samsung	M321R4GA3PB0-CWM	U	32GB 2Rank 5600
Samsung	M321R8GA0EB2-CCP	R	64GB 2Rank 6400
Samsung	M321R8GA0PB0-CWM	R	64GB 2Rank 5600
Samsung	M321RAJA0MB2-CCP	R	128GB 2Rank 6400
Samsung	M321RBJA0M22-CLP	R	256GB 2Rank 6400
Samsung	M321RYGA0PB0-CWM	R	96GB 2Rank 5600
Micron	MTC40F2046S1RC56BD2	R	64GB 2Rank 5600
Micron	MTC40F2046S1RC64BD2	R	64GB 2Rank 6400
Micron	MTC40F2047S1RC56BB2	R	128GB 2Rank 5600
Micron	MTC40F2047S1RC64BB1	R	128GB 2Rank 6400

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Approved Vendor List (AVL) — Storage (SSD)

Maker	Part Number	Series	Capacity	Interface
Toshiba-Kioxia	KCD81RUG1T92	CD8	1.92TB	NVMe4
Micron	MTFDKCC15T3TGP-1BK1DABYY	7500 PRO	15.36TB	NVMe4
Micron	MTFDKCC1T9TGP-1BK1DABYY	7500 PRO	1.92TB	NVMe4
Micron	MTFDKCC3T8TGP-1BK1DABYY	7500 PRO	3.84TB	NVMe4
Micron	MTFDKCC7T6TGP-1BK1DABYY	7500 PRO	7.68TB	NVMe4
Samsung	MZQL215THBLA-00A07	PM9A3	15.36TB	NVMe4
Samsung	MZQL23T8HCLS-00A07	PM9A3	3.84TB	NVMe4
Samsung	MZQL27T6HBLA-00A07	PM9A3	7.86TB	NVMe4
Samsung	MZWL615THBLF-00AW7	PM9D3a	15.36TB	NVMe5
Samsung	MZWL63T8HFLT-00AW7	PM9D3a	3.84TB	NVMe5
Samsung	MZWL67T6HBLC-00AW7	PM9D3a	7.68TB	NVMe5
Intel	SB5PH27X038T	D7 PS1010	3.84TB	NVMe5
SK Hynix	SSDPF2KX038T11Z	D7-P5520	3.84TB	NVMe4
Intel	SSDPF2KX038T1N1	D7-P5520	3.84TB	NVMe4
SK Hynix	SSDPF2KX076T11Z	D7-P5520	7.68TB	NVMe4
Intel	SSDPF2KX076T1N1	D7-P5520	7.68TB	NVMe4
SK Hynix	SSDPF2KX153T11Z	D7-P5520	15.36TB	NVMe4
Intel	SSDPF2KX153T1N1	D7-P5520	15.36TB	NVMe4
Phison	XP106H017T68P028T1900	X100P	7.68TB	NVMe4

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Approved Vendor List (AVL) — Network Adapters

Maker	Part Number	Description
NVIDIA	900-9D3B6-00SV-AA0	InfiniBand NDR200 200Gb/s / Ethernet 200GbE (Crypto Disabled, integrated BMC)
NVIDIA Mellanox	900-9X7AH-0078-DTZ	ConnectX-7 VPI adapter, dual-port QSFP112 (NDR200/HDR and 200GbE), PCIe 5.0 x16
Broadcom	BCM957608-P1400GDF00	Single-port 400Gb/s QSFP112-DD, PCIe 5.0 x16
Broadcom	BCM957608-P2200GQF00	Dual-port 200Gb/s QSFP112, PCIe 5.0 x16
Intel	E8102CQDA2G1P5	Network adapter, PCIe 4.0 x16
AMD	POLLARA-1Q400P	Network adapter, PCIe 5.0 x16

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