

Hyperscale clouds of tomorrow

Based on AMD EPYC™

Processor

Authorised Hyperscalers Partner



Network | Storage | Compute | Converged | Hyperconverged





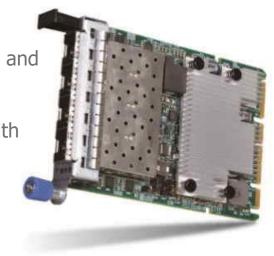
Next Generation Network: OCP 3.0 Mezzanine

- Up to 200GbE with
- PCIe x16 bandwidth

 Hardware optimized for Pull-Tab, Ejector and Internal lock types of OCP Mezzanine

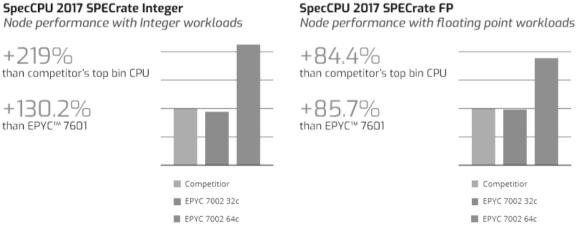
 PCIe 4.0 ready; backward compatible with PCIe 3.0

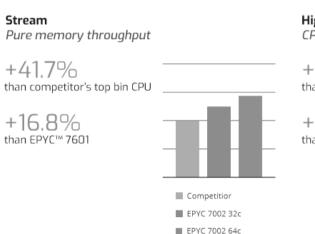
OCP 3.0 to OCP 2.0 adapter for legacy utilizations

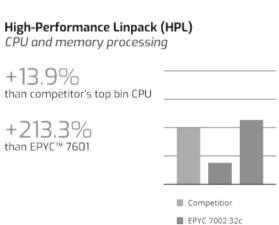


Breakthrough Performance

- Dual 64-core AMD EPYC[™] 7002 series processors score more than twice as the 2-Socket competitor in system level performance.
- The 2nd Gen EPYC[™] CPU gained over 200% improvement on CPU and memory processing than the 1st Gen.







■ EPYC 7002 64c

CPU Spec to Spec Comparison

	•	
Feature	AMD EPYC™ Processor	Competition
Max core count per socket	64 cores / 128 threads	28 cores / 56 threads
Max TDP	225W configured to 240W	205W
Memory channels /socket	8 ch, 2DPC	6Ch, 2DPC
Memory frequency	3200Mhz	Up to 2933mhz
CPU interlinks	xGMI-2 16 GT/s	10 GT/s
PCIe Lane	128 PCIe Lanes 4.0	48 PCIe lanes 3.0

PCIe 4.0 vs PCIe 3.0

Feature	PCIe 4.0	PCIe 3.0
Bandwidth	16 Gb/s	8 Gb/s
Throughput with PCIe x 8 slot	100 GbE NIC Support	50 GbE NIC Support
Throughput with PCIe x 16 slot	200 GbE NIC Support	100 GbE NIC Support

D43K-1U Ultimate 1U Server with EPYC Performance Breakthrough



- Dual AMD EPYC processor with up to 4TB memory capacity
- Up to 5 expansion slots optimized for PCIe 4.0 and AI workloads
- Enhanced serviceability with tool-less, hot-swap design



	2.5" SKU – 12 * U.2 NVMe	3.5" SKU	
Processor	(2) AMD EPYC [™] 7002 Series Processor, up to 225W TDP (240W cTDP)		
Memory	Up to 4TB memory capacity with (32) DDR4 DIMM slots. Supporting 3200 Mhz 1DPC		
Storage	(12) 2.5" U.2 SSD	(4) 3.5" SATA/SAS drives Optional (4) 9mm NVMe/SATA/SAS drives	

- Network Control (1) OCP 3.0 mezzanine
 - (2) 1 GbE dedicated management port
 - (1) PCIe 4.0 x8 SAS mezzanine slot
- (1) PCIe 4.0 x8 OCP 3.0 mezzanine SFF slot (2) PCIe 4.0 x16 FHHL or (3) PCIe 4.0 x16 HHHL
- Form Factor 1U Rackmount



D43KQ-2U Highly Scalable "EPYC" 2U Server Built for AI



- Scalable configurations built for AI
- Diversified IO options for diversified workloads
- Full featured design optimized for PCIe 4.0



SKU LFF Tiered SKU SFF Tiered Expander SKU SFF SKU - All NVMe

Processor (2) AMD EPYC[™] 7002 Series Processor, Up to 225W TDP (240W cTDP1)

Memory Up to 4TB memory capacity with (32) DDR4 DIMM slots. Supporting up to 3200 Mhz 1DPC2.

Front Front Front

(4) 3.5" SATA/SAS drives (16) 2.5" SATA/SAS + (16) 2.5" SATA/SAS PTP + (8) (8) 3.5"/2.5" SATA/SAS/NVME (8) 2.5" SATA/SAS/NVME

drives (SAS/SATA via SAS Mezz)
Rear (Optional) Rear (Optional)

Column 1 SATA/SAS/WME (SAS/SATA via SAS Mezz)
Rear (Optional) Rear (Optional)

(2) U.2 SSD (2) U.2 SSD (2) 2.5 " SATA/NVMe SSD

(1) PCIe 4.0 x8 SAS mezzanine

Expansion Option 1: (2) PCIe 4.0 x16 FHHL + (4) PCIe 4.0 x8 FHHL

Slot Option 2: (4) PCIe 4.0 x16 FHHL

Optional: (1) PCIe 4.0 x8 HHHL, (1) PCIe 4.0 x16 HHHL or (2) 2.5" rear drive

Network (1) PCIe 4.0 x8 OCP 3.0 mezz slot Controller (1) Dedicated 1 GbE management port

Power 1+1 High efficiency redundant hot-plug Platinum/Titanium 1600W/2200W AC PSU, 1600W -48V

Supply DC PSU

Form 2U Rackmount

S43KL-1U Revolutionary Single Socket Compute Server



- An "EPYC" single socket compute server to challenge traditional dual socket systems
- Automate your processes with AI on a budget
- Full featured design optimized for PCIe 4.0



SFF 2.5" SKU LFF 3.5" SKU

Processor (1) AMD EPYC[™] 7002 Series Processor, up to 225W TDP (240W cTDP)

Memory Up to 2TB memory capacity with (32) DDR4 DIMM slots. Supporting 3200 Mhz 1DPC

Storage (12) 2.5" hot-plug SATA/NVMe SSD (4) 3.5" SATA/SAS drives

Optional (4) 9mm NVMe/SATA/SAS drives

Network Control
(1) OCP 3.0 mezzanine
(2) 1 GbE dedicated management port

(2) I ODE acalcated management port

(1) PCIe 4.0 x8 SAS mezzanine slot

Expansion Slot Option 1: (2) PCIe 4.0 x16 HHHL & (1) PCIe 4.0 x8 HHHL

Option 2: (2) PCIe 4.0 x16 FHH

Form Factor 1U Rackmount



D42A-2U All NVMe Server Perfect for CDN & Big Data Analytics





- Perfectly compatible with both EPYC[™]
 7001 and 7002 Series Processors
- Supports up to 24 U.2 NVMe SSDs
- Up to two PCIe x16 slots for up to 2x 200GbE NICs
- All tool-less design with easy service motherboard tray

24 U.2 NVMe SKU

20 U.2 NVMe SKU

Processor (1) AMD EPYC[™] 7002 Series Processor, up to 225W TDP (240W cTDP)

Memory Up to 2TB memory capacity with (32) DDR4 DIMM slots. Supporting 3200 Mhz 1DPC

Storage (24) 2.5" hot-plug SATA/NVMe SSD (20) 2.5" hot-plug SATA/NVMe SSD

Network Control (1) OCP 3.0 mezzanine

(2) 1 GbE dedicated management port

(1) PCIe 3.0 x8 OCP 2.0 mezzanine (1) PCIe 3.0 x8 OCP 2.0 mezzanine Type A

Expansion Slot Type A (1) PCIe 3.0 x16 HHHL or (2) PCIe 3.0 x16 HHHL or (1) PCIe 3.0 x16 + (2)

(2) PCIe 3.0 x8 HHHL PCIe 3.0 x8

Form Factor 1U Rackmount

S43CA-2U Density Optimized "EPYC" Multi-node Server



- High Density server design powered by the latest AMD EPYC[™] 7002 Series processors
- Single socket EPYC processor with 16
 DIMMs per node optimized for computecentric Data Center requirements
- Aggregated networking infrastructure services



SFF 2.5" SKU

LFF 3.5" SKU

Processor (1) AMD EPYC[™] 7002 Series Processor per node (4), up to 225W TDP (240W cTDP)

Memory (16) DDR4 DIMM slots per node, Supporting 3200 MHz 1DPC per node (4)

Storage (2) 2280/22110 NVMe M.2 per node

Option 1:

(1) PCIe 4.0 x16 FHHL expansion slot per node (2) PCIe 4.0 x16 HHHL expansion slot per node

(2) 2.5" hot-plug NVMe/SATA SSD per node Option 2:

(5) 2.5" hot-plug NVMe/SATA SSD per node

(1) PCIe 4.0 x8 SAS mezzanine slot

Expansion Slot Option 1: (2) PCIe 4.0 x16 HHHL & (1) PCIe 4.0 x8 HHHL

Option 2: (2) PCIe 4.0 x16 FHH

Rear IO (1 or 2) single/dual 100G port pass-through module

Form Factor 1U Rackmount

Front IO





Become the solution your customers need

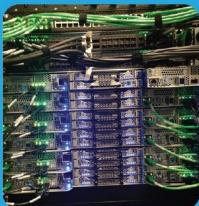
Join our partner program TODAY

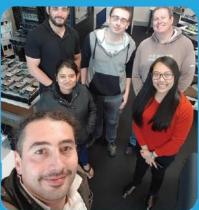












Authorised Hyperscalers Partner



About Hyperscalers

Hyperscalers is the world's first open Original Equipment Manufacturer offering proprietary-free alterative to traditional Tier 1 OEM vendors.

Hereto to solve Information technology's complexity, Hyperscalers developed the IP Appliance Design Process. Which is basically a process along with a utility, being the Appliance Optimizer Utility, which together, assists service providers 'productize' delivery of their Digital-IP.

Technology Partners









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