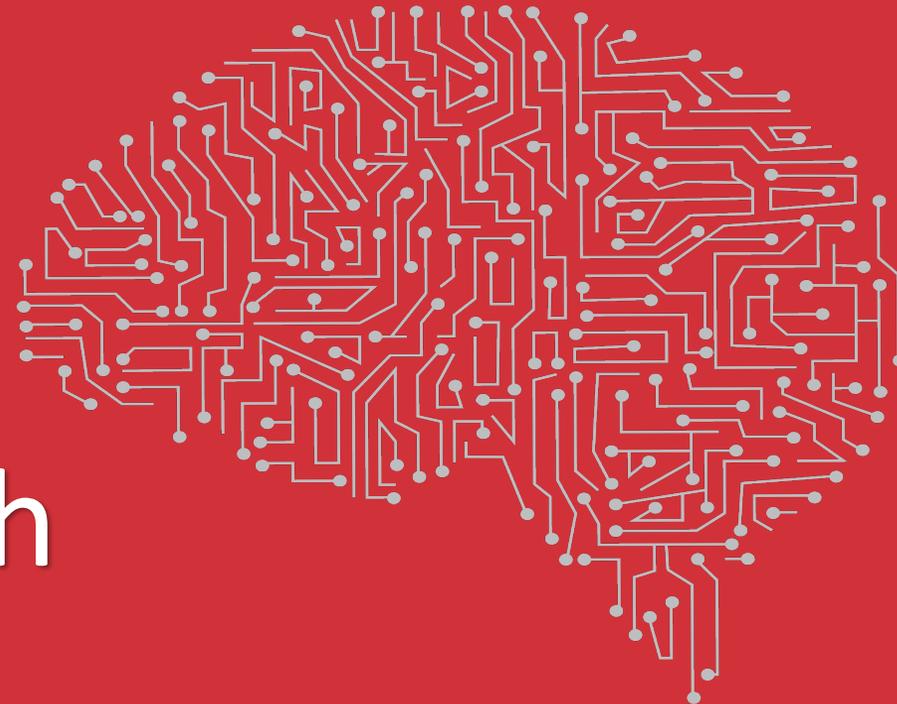


Novinky v komponentách

12 / 2021



Lukáš Vach

A close-up, high-angle photograph of an AMD EPYC processor mounted on a server motherboard. The processor is a large, square, silver-colored chip with the AMD logo and 'EPYC' branding embossed on its surface. The background shows the intricate circuitry and components of the server board, including various connectors and cooling structures, all in a dark, moody lighting.

AMD EPYC™
PROCESSORS (ZEN 3) MILAN X
(ZEN 4/4c) GENOA

The New Standard for High Performance Computing

Presenter:

Date:

AMD
EPYC



AMD DATA CENTER CPU ROADMAP

SUSTAINED HIGH-PERFORMANCE LEADERSHIP



3rd GEN AMD EPYC™ WITH 3D V-CACHE

3X

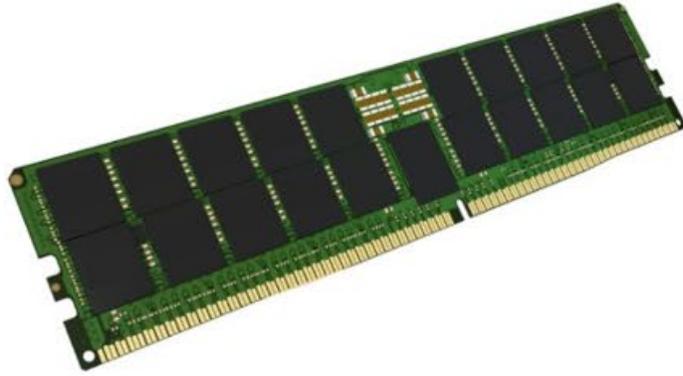
L3 Cache*

UP TO 804MB
TOTAL CACHE PER
SOCKET

UP TO 64
“ZEN 3” CORES

SP3
SOCKET COMPATIBLE

DDR5



Form Factors

288-pin DIMM

260-pin SODIMM

Performance (in MT/s)

3200 / 3600 / 4000 / 4400 / **4800**

5200 / 5600 / 6000 / 6400

Power

1.1 V

12V for Hybrid DIMM (3-pins)

DRAM Densities/DIMM Capacities

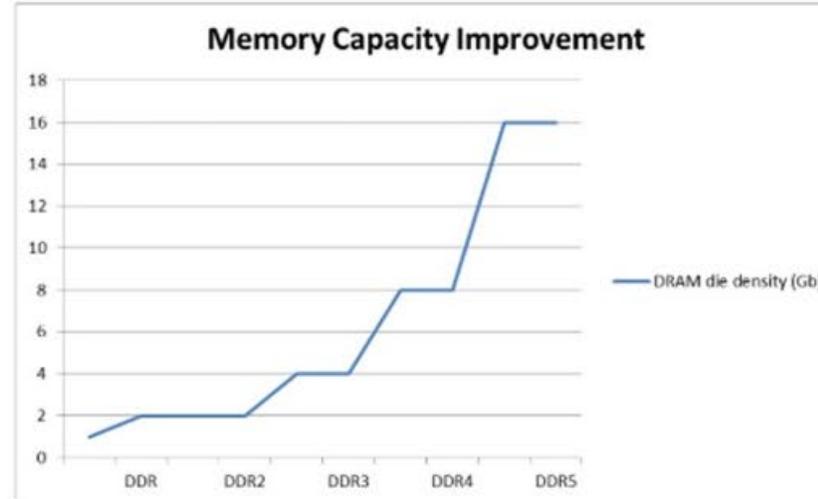
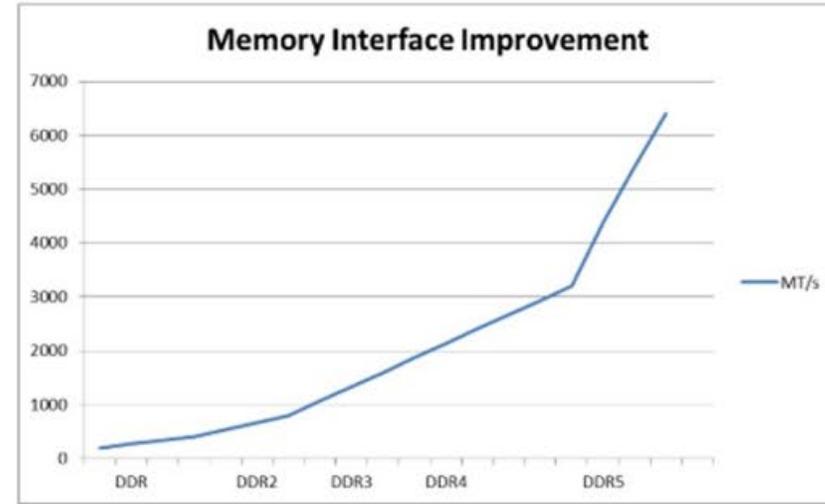
8Gb, **16Gb** (x4, x8, x16)

New Features

8n / 16n Prefetch

PMIC (Power Management) on module

Two 40-bit channels per DIMM (32-bit + ECC), doubles number of system channels featured by chipset



SATA 2.5"



SATA 2.5"



SATA 2.5"



NVMe U.2



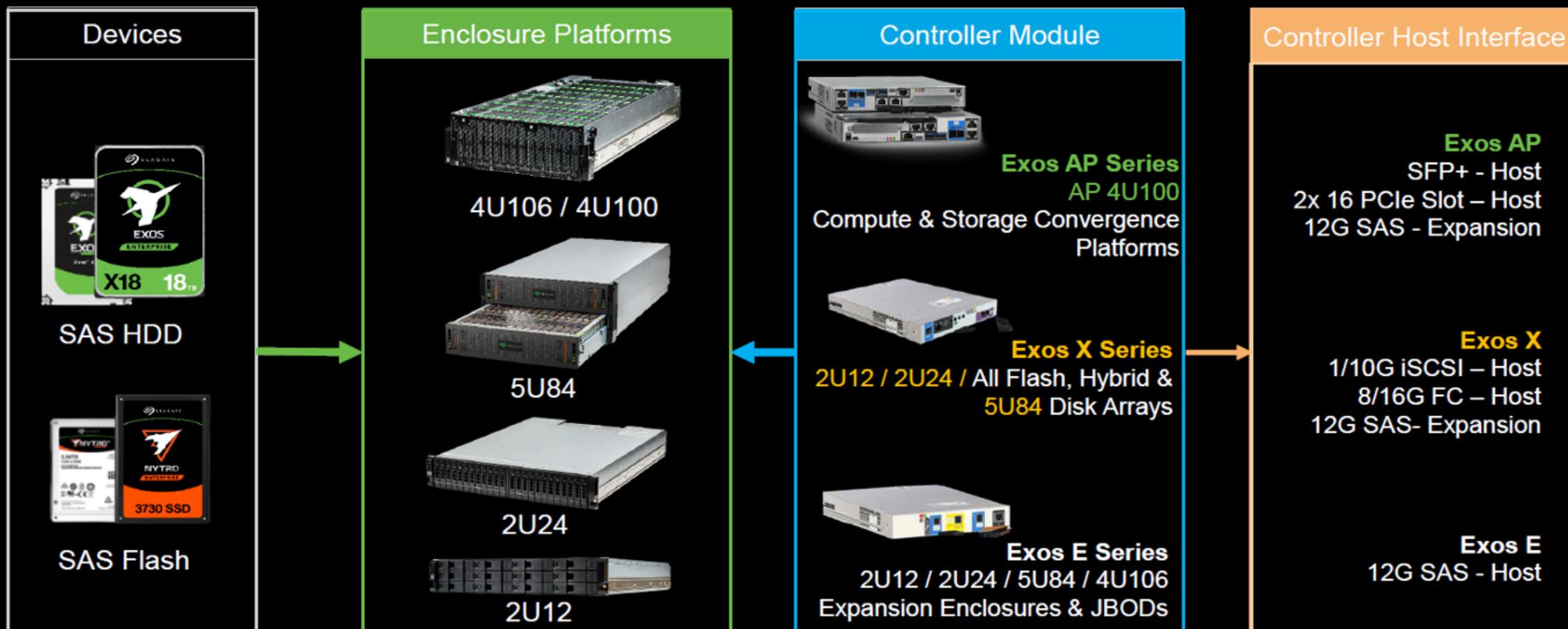
NVMe M.2



	DC500R (Read-Centric)	DC500M (Mixed Use)	DC450R (Entry Level)	DC1500M (Mixed Use)	DC1000B (M.2 NVMe Boot)
Status	Shipping	Shipping	Shipping	Shipping	Shipping
Capacities	480GB – 7.68TB	480GB – 3.84TB	480GB – 7.68TB	960GB – 7.68TB	240GB & 480GB (960G Q3'20)
128K Seq R/W *	555 MB/s 525 MB/s	555 MB/s 520 MB/s	560 MB/s 530 MB/s	3300 MB/s 2700 MB/s	3200 MB/s 565 MB/s
Form Factor	2.5" SATA III 6Gbps	2.5" SATA III 6Gbps	2.5" SATA III 6Gbps	U.2 NVMe	M.2 2280 NVMe
4K Random R/W *	98K/28K IOPS	98K/75K IOPS	98K/28K IOPS	510K/220K IOPS	205K/20K IOPS
Applications	Web Server, Streaming, Cloud, CDN	Database, OLTP, Cloud, Caching Tier	Web Server, Streaming, Cloud, CDN	Database, OLTP, CDN Cloud, Caching Tier	Server Boot
Features	.5 DDPD for 5 yrs Hardware PLP 256bit AES Encryption	1.3 DDPD for 5 yrs Hardware PLP 256bit AES Encryption	.3 DDPD for 5 yrs No Hardware PLP 256bit AES Encryption	1 DDPD for 5 yrs Hardware PLP	.5 DDPD for 5 yrs Hardware PLP 256bit AES Encryption
Warranty	5 Years	5 Years	5 Years	5 Years	5 Years

Enterprise Data Solutions – Systems are Modular

Storage Building Block Strategy – enables personalization of your storage system



Enterprise Data Solutions – Portfolio RBOD

Next generation performance and simplicity

Experience next-generation data protection. Seamlessly integrated for maximum capacity and high performance with up to 84 x 18TB drives, protect your important data with an advanced, cost-optimized architecture that gets your data to applications at lightning speed.



Exos X 2U12

- LFF & SFF
- 3x 2U12 EBODs (3005)
- 9x 2U12 EBODs (4005)
- 216TB per chassis (18TB HDD)
- Total 144 drives



Exos X 2U24

- SFF
- 3x 2U24 EBODs (3005)
- 9x 2U24 EBODs (4005)
- 9x 2U24 EBODs (5005)
- 368TB per chassis (15,36TB SSD)
- Total 384 drives



Exos X 5U84

- LFF & SFF
- 3x 5U84 EBODs (4005)
- 3x 5U84 EBODs (5005)
- 1.5 PB per chassis (18TB HDD)
- Total 336 drives



Architecture For The Modern Data Centers



Lenovo™

Servers

The heart of the data center

Drive your business forward with a server that matches your needs. Reduce costs and complexity by investing in a system that handles today's workload and expands to accommodate future growth.

Solution Brief

Enterprise, Cloud and Analytics, Small Business and Edge Computing

Intel® Server System M50CYP Family
Featuring 3rd Gen Intel® Xeon® Scalable Processors



TYAN



SUPERMICR

Děkuji za pozornost

