

CyberServe EPYC EP2-R182-Z91

8-Channel RDIMM/LRDIMM DDR4 per processor, 32x DIMMs, 8x 2.5" SATA and 2 x 2.5 NVMe hot-swappable HDD/SSD bays, Ultra-Fast M.2 with PCIe Gen3 x4 interface, 2 x 1Gb/s LAN ports (Intel® I350-AM2)

Dear , If you would like any further information on the CyberServe EPYC EP2-R182-Z91, or if you would like to discuss your quote, don't hesitate to call your Broadberry account manager on 020 8997 6000 and quote reference "PDBC56743", or simply reply to this email.

What Now?

1. Call 020 8997 6000
2. Ask For Bill Carless
3. Quote Reference PDBC56743

RRP: £15,472.83

Ex. VAT

£12,378.26

Buy Now



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further information

<https://www.broadberry.co.uk/dual-amd-epyc-7003-series-rackmount-servers/cyberserve-amd-epyc-r182-z91>

System Summary

Gigabyte Servers	Gigabyte R182-Z91 - 1U - AMD EPYC - 8x SATA/SAS + 2x NVMe - Dual-Port Ethernet - 1200W Redundant
Processor	2x AMD EPYC 7453 - 28 Cores 2.75GHz/3.45GHz, 64MB Cache (225Watt)
Memory	16x 64GB 3200MHz DDR4 ECC Registered DIMM Module
Hard Drive	
NVMe Drives	2x Micron 7300 PRO 1920GB NVMe U.2 (7mm) 2.5" - 396k IOPS Read, 55k IOPS Write
Total Price:	£12,378.26
Lease From:	£261.80 per month over 5 years, or £404.52 over 3 years.

Bank Details:

Broadberry Data Systems Ltd, NATWEST West Ealing, 162 Uxbridge Road, London, W13 8JL
Account No: 40248933, Branch Sort-Code: 60-23-13, IBAN: GB10 NWBK 6023 1340 2489 33



Your Configured System Specifications

Gigabyte R182-Z91 - 1U - AMD EPYC - 8x SATA/SAS + 2x NVMe - Dual-Port Ethernet - 1200W Redundant

Design	
Chassis type	Rack (1U)
Fan diameter	4 cm
LED indicators	HDD,LAN,System
Number of fans	8 fan(s)
On/off switch	Y
Product colour	Black,Grey
Reset button	Y
Expansion slots	
Number of M.2 (M) slots	1
PCI Express x16 slots	2
Features	
Backplanes support	Y
Compatible operating systems	Windows Server 2016 Windows Server 2019 Red Hat Enterprise Linux 7.6 (x64)+ Red Hat Enterprise Linux 8.0 (x64)+ SUSE Linux Enterprise Server 12 SP4 (x64)+ SUSE Linux Enterprise Server 15 SP1 (x64)+ Ubuntu 16.04.6 LTS (x64)+ Ubuntu 18.04.3 LTS (x64)+ VMware ESXi 6.5 EP15+ VMware ESXi 6.7 Update3+
Graphics	
On-board graphics adapter model	Aspeed AST2500
Memory	
Maximum internal memory	128 GB
Maximum RDIMM memory	64 GB
Memory channels	Octa
Number of DIMM slots	32
Supported memory types	DDR4-SDRAM
Supported RDIMM clock speeds	2933,3200 MHz
Networking	

Ethernet interface type	Gigabit Ethernet
Ethernet LAN	Y
Ethernet LAN data rates	10,100,1000 Mbit/s
LAN controller	Intel® I350-AM2
Operational conditions	
Operating relative humidity (H-H)	8 - 80%
Operating temperature (T-T)	10 - 35 °C
Storage relative humidity (H-H)	20 - 95%
Storage temperature (T-T)	-40 - 60 °C
Packaging data	
Package depth	588 mm
Package height	250 mm
Package weight	22 kg
Package width	985 mm
Ports & interfaces	
Ethernet LAN (RJ-45) ports	2
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity	3
VGA (D-Sub) ports quantity	1
Power	
80 PLUS certification	80 PLUS Platinum
AC input frequency	50/60 Hz
AC input voltage	100 - 240 V
Input current	12 - 7 A

Number of main power supplies	2
Number of redundant power supplies installed	2
Power supply	1200 W
Redundant power supply (RPS) support	Y
Processor	
Built-in processor	N
Compatible processor series	AMD EPYC
Number of processors supported	2
Processor family	AMD
Processor socket	Socket SP3
Storage	
Hot-swap HDD bays	Y
Number of 2.5" bays	8
Number of storage drives supported	10
Supported storage drive interfaces	M.2,Serial ATA,Serial Attached SCSI (SAS)
Supported storage drive types	HDD,SSD
Weight & dimensions	
Depth	730 mm
Height	43.5 mm
Weight	13 kg
Width	438 mm

2x AMD EPYC 7453 - 28 Cores 2.75GHz/3.45GHz, 64MB Cache (225Watt)

Features	
Maximum number of PCI Express lanes	128
PCI Express slots version	4.0
Memory	
Memory bandwidth (max)	204.8 GB/s
Memory channels	Octa-channel
Memory clock speeds supported by processor	3200 MHz
Memory types supported by processor	DDR4-SDRAM

Processor	
Configurable TDP-up	240 W
Processor base frequency	2.75 GHz
Processor boost frequency	3.45 GHz
Processor cache	64 MB
Processor cache type	L3
Processor cores	28

Processor family	AMD EPYC
Processor manufacturer	AMD
Processor model	7453
Processor socket	Socket SP3
Processor threads	56
Thermal Design Power (TDP)	225 W

16x 64GB 3200MHz DDR4 ECC Registered DIMM Module

Features	
Buffered memory type	Registered (buffered)
CAS latency	22
ECC	Y
Internal memory	64 GB
Internal memory type	DDR4
JEDEC standard	Y
Memory clock speed	3200 MHz
Memory form factor	288-pin DIMM

Memory ranking	2
Memory voltage	1.2 V
Refresh row cycle time	350 ns
Row active time	32 ns
Row cycle time	45.75 ns
SPD profile	Y
Operational conditions	
Operating temperature (T-T)	0 - 85 °C

Storage temperature (T-T)	-55 - 100 °C
Technical details	
Doesn't contain	Halogen
Sustainability certificates	RoHS
Weight & dimensions	
Height	31.2 mm
Width	133.3 mm

2x Micron 7300 PRO 1920GB NVMe U.2 (7mm) 2.5" - 396k IOPS Read, 55k IOPS Write

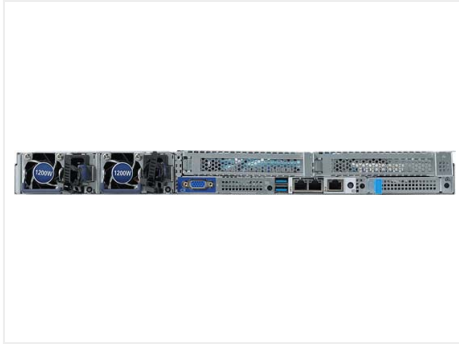
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Features		
Interface	PCI Express 3.0	
Mean time between failures (MTBF)	2000000 h	
Memory type	3D TLC	
NVMe	N	

Random read (4KB)	396 IOPS
Random write (4KB)	50 IOPS
Read speed	3000 MB/s
SSD capacity	1920 GB

SSD form factor	2.5"
Write speed	1500 MB/s
Weight & dimensions	
Height	7 mm



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CyberServe EPYC EP2-R182-Z91 features



3 Years Warranty as Standard

Buy with confidence knowing all Broadberry CyberServe rack servers are backed up by our 3 year warranty, with further warranty upgrade options available.



Trusted CyberServe Server Platform

The Broadberry range of CyberServe® rackmount are trusted as the server of choice for thousands of companies from SMBs to enterprise's across the globe.



Supports SAS Drives

This system can be configured with SAS drives for bi-directional storage, which deliver enhanced speed, reliability and availability.



Supports SATA Drives

This system can be configured with SATA drives for cost-effective 12gb/s storage.



Supports NVMe Drives

This system can be configured with NVMe drives, which are capable of significantly better performance than SATA and SAS.



Small Form Factor Storage

The CyberServe EPYC EP2-R182-Z91 boasts high density storage and ultimate energy efficiency, catering for up to 8x High-Performance 2.5" SSD or Hard Drives



AMD EPYC 7003 Processors

This system is powered by the ground-breaking, high security, high-performance AMD EPYC Milan 7003 series processor family.



High Performance CPU

Virtually everything runs better on record-breaking AMD EPYC 7003 Series powered servers.



Featuring Airtight Security

AMD EPYC is Hardened at the Core with advanced security features and is the first server CPU with an integrated & dedicated security processor.

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Dedicated Account Manager

You'll get your own dedicated account manager who's available to you at all times.

3 Year Warranty

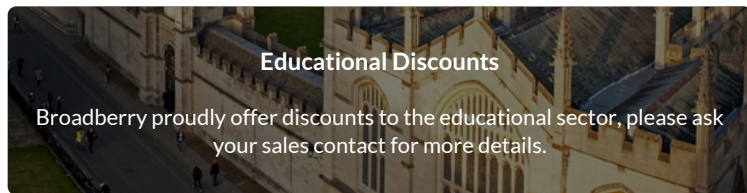
We take customer service very seriously, that's why we offer 3 years warranty as standard.

Industry Leading Support

Should you need any help, our technical support department are always here to help.

Best Price Guarantee

We're so confident in our great value server and storage solutions, we offer a guarantee!



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