

Intel(R) Xeon(R) Platinum 8480+ 2 socket with 56 cores per socket Sapphire Rapids CPU 1 TB Memory 800 GB Storage OS: Ubuntu 22.04.3 LTS		
Device Name		Dell PowerEdge R760xa
Estimated Cost of Server		86169.07 USD
Motherboard		Dell Inc 0CRRF2 Version: A00
CPU	Model Name	Intel(R) Xeon(R) Platinum 8480+
	SpeedMax (MHz)	
	Number Of Cores per Socket	56
	NumberOfSockets	2
	Thread(s) per core	2
	Stepping	8
	LLC Cache	L1d: 5.3 MiB (112 instances) L1i: 3.5 MiB (112 instances) L2: 224 MiB (112 instances) L3: 210 MiB (2 instances)
Memory	Slot	System board or motherboard
	Vendor	00CE00B300CE
	Type	DDR5
	Speed	4800 MT/s
	Size	1 TB
	PartNumber	M321R8GA0BB0-CQKEG
BIOS	Vendor	Dell Inc
	Version	1.5.6
	Release	29/07/2023
Storage	Size	800 GB
Network	1	product: BCM57416 NetXtreme-E Dual-Media 10G RDT vendor: Broadcom Inc. and subsidiaries capacity: 10Gbit/s Count: 2 product: NetXtreme BCM5720 Gigabit Ethernet PCIe vendor: Broadcom Inc. and subsidiaries capacity: 1Gbit/s Count: 2
OS	Name	Ubuntu 22.04.3 LTS
	Kernel	Linux 5.15.0-86-generic
Software		
Python	3.10.12	
OpenVINO	2023.1.0	
Pytorch	2.1.0	
Transformers	4.33.1	
Ultralytics	8.0.43	

<b>Intel(R) Xeon(R) D-2776NT CPU</b> <b>1 socket with 16 cores per socket CPU</b> <b>251 GB Memory</b> <b>742 GB Storage</b> <b>OS: Ubuntu 22.04.3 LTS</b>		
<b>Device Name</b>		Dell PowerEdge XR4520c
<b>Estimated Cost of Server</b>		
<b>Motherboard</b>		Dell Inc 034K8F Version: X31
<b>CPU</b>	<b>Model Name</b>	Intel(R) Xeon(R) D-2776NT CPU @ 2.10GHz
	<b>SpeedMax (MHz)</b>	3200 MHz
	<b>Number Of Cores per Socket</b>	16
	<b>NumberOfSockets</b>	1
	<b>Thread(s) per core</b>	2
	<b>Stepping</b>	1
	<b>LLC Cache</b>	L1d: 768 KiB (16 instances) L1i: 512 KiB (16 instances) L2: 20 MiB (16 instances) L3: 25 MiB (1 instance)
<b>Memory</b>	<b>Slot</b>	System board or motherboard
	<b>Vendor</b>	00AD069D00AD
	<b>Type</b>	DDR4
	<b>Speed</b>	3200 MT/s
	<b>Size</b>	1 TB
	<b>PartNumber</b>	HMAA8GR7AJR4N-XN
<b>GPU</b>	<b>Name</b>	Nvidia A30
	<b>GPU Memory</b>	24 GB
<b>BIOS</b>	<b>Vendor</b>	Dell Inc.
	<b>Version</b>	1.0.2
	<b>Release</b>	09/11/2022
<b>Storage</b>	<b>Size</b>	742 GB
<b>Network</b>	<b>1</b>	product: Intel Corporation vendor: Intel Corporation capacity: 10Gbit/s Count: 4
<b>OS</b>	<b>Name</b>	Ubuntu 22.04.3 LTS
	<b>Kernel</b>	Linux 5.15.0-86-generic
<b>Software</b>		
<b>Python</b>	3.10.12	
<b>Cuda</b>	12.2	
<b>OpenVINO</b>	2023.1.0	
<b>Pytorch</b>	2.1.0	
<b>Transformers</b>	4.33.1	
<b>Ultralytics</b>	8.0.43	

<b>Intel(R) Xeon(R) Platinum 8488C</b> <b>2 socket with 48 cores per socket CPU</b> <b>768 GB Memory</b> <b>500 GB Storage</b> <b>OS: Ubuntu 22.04.2 LTS</b>		
AWS Instance Type		m7i.48xlarge
On Demand Linux Base Pricing (per hour)		9.6768 USD
Motherboard		
CPU	Model Name	Intel(R) Xeon(R) Platinum 8488C
	SpeedMax (MHz)	
	Number Of Cores per Socket	48
	NumberOfSockets	2
	Thread(s) per core	2
	Stepping	8
	LLC Cache	L1d: 4.5 MiB (96 instances) L1i: 3 MiB (96 instances) L2: 192 MiB (96 instances) L3: 210 MiB (2 instances)
Memory	Slot	System board or motherboard
	Vendor	
	Type	
	Speed	4800 MT/s
	Size	768 GB
	PartNumber	
BIOS	Vendor	Amazon EC2
	Version	1
	Release	16/10/2017
Storage	Size	500 GB
Network	1	Description: Ethernet interface Product: Elastic Network Adapter (ENA)  Vendor: Amazon.com, Inc.
OS	Name	Ubuntu 22.04.2 LTS
	Kernel	Linux 6.2.0-1013-aws
Software		
Python	3.10.12	
OpenVINO	2023.1.0	
Pytorch	2.1.0	
Transformers	4.33.1	
Ultralytics	8.0.43	

<b>Intel(R) Xeon(R) Platinum 8375C</b> <b>1 socket with 16 cores per socket CPU</b> <b>128 GB Memory</b> <b>500 GB Storage</b> <b>OS: Ubuntu 22.04.2 LTS</b>		
<b>AWS Instance Type</b>		m6i.8xlarge
<b>On Demand Linux Base Pricing (per hour)</b>		1.536 USD
<b>Motherboard</b>		
<b>CPU</b>	<b>Model Name</b>	Intel(R) Xeon(R) Platinum 8375C
	<b>SpeedMax (MHz)</b>	
	<b>Number Of Cores per Socket</b>	16
	<b>NumberOfSockets</b>	1
	<b>Thread(s) per core</b>	2
	<b>Stepping</b>	6
	<b>LLC Cache</b>	L1d: 768 KiB (16 instances) L1i: 512 KiB (16 instances) L2: 20 MiB (16 instances) L3: 54 MiB (1 instance)
<b>Memory</b>	<b>Slot</b>	System board or motherboard
	<b>Vendor</b>	
	<b>Type</b>	
	<b>Speed</b>	3200 MT/s
	<b>Size</b>	128 GB
	<b>PartNumber</b>	
<b>BIOS</b>	<b>Vendor</b>	Amazon EC2
	<b>Version</b>	1
	<b>Release</b>	16/10/2017
<b>Storage</b>	<b>Size</b>	500 GB
<b>Network</b>	<b>1</b>	Description: Ethernet interface Product: Elastic Network Adapter (ENA)  Vendor: Amazon.com, Inc.
<b>OS</b>	<b>Name</b>	Ubuntu 22.04.2 LTS
	<b>Kernel</b>	Linux 6.2.0-1013-aws
<b>Software</b>		
<b>Python</b>	3.10.12	
<b>OpenVINO</b>	2023.1.0	
<b>Pytorch</b>	2.1.0	
<b>Transformers</b>	4.33.1	
<b>Ultralytics</b>	8.0.43	

AMD EPYC 7R32 1 socket with 16 cores per socket CPU 128 GB Memory 500 GB Storage OS: Ubuntu 22.04.3 LTS		
AWS Instance Type		g5.8xlarge (Nvidia A10 GPU Instance)
On Demand Linux Base Pricing (per hour)		2.448 USD
Motherboard		
CPU	Model Name	AMD EPYC 7R32
	SpeedMax (MHz)	
	Number Of Cores per Socket	16
	NumberOfSockets	1
	Thread(s) per core	2
	Stepping	0
	LLC Cache	L1d: 512 KiB (16 instances) L1i: 512 KiB (16 instances) L2: 8 MiB (16 instances) L3: 64 MiB (4 instances)
Memory	Slot	System board or motherboard
	Vendor	
	Type	
	Speed	3200 MT/s
	Size	128 GB
	PartNumber	
GPU	Name	Nvidia A10
	GPU Memory	24 GB
BIOS	Vendor	Amazon EC2
	Version	1
	Release	16/10/2017
Storage	Size	500 GB
Network	1	Description: Ethernet interface Product: Elastic Network Adapter (ENA) Vendor: Amazon.com, Inc.
OS	Name	Ubuntu 22.04.3 LTS
	Kernel	Linux 6.2.0-1014-aws
Software		
Python	3.10.12	
Cuda	12.2	
Pytorch	2.1.0	
Transformers	4.33.1	