

	Quantity	Description	Quantity	Description
Processors/Cores/Threads	1/12/24	Intel(R) Xeon(R) Silver 4410Y @ 2.00GHz	1/8/16	Intel(R) Core(TM) i7-10700K CPU @ 3.80GHz
Memory	8	64GB	1	32GB
Storage Controller	-	None	-	None
Storage Device		512GB NVMe SSD(Write Through) 7.68TB NVMe SSD(External, Write Through)		1TB SATA HDD 512GB SATA SSD
Total Storage Capacity		31.232 TB		

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Goldilocks v3.1 Standard Edition on KTNF KE780S1

TPC-C Version 5.11.0 TPC Pricing 2.9.0 Report Date 25-Jan-2024 Available Now

	A		Available N	valiable NOW		
Description	Part Number	Source	Unit Price	Qty	Price	3-Yr. Maint. Price
Server Hardware						
DB Server - KTNF(KE780S1)	KE780S1	1	43,000,000	1	43,000,000	
4th Gen intel Xeon Scalable Processor Silver 4410Y	CPU	1	(included)	1		
64GB DDR5 4800RDIMM	RAM	1	(included)	8		
Dual port 100GbE Intel® Ethernet Network Adapter E810	NIC	1	(included)	1		
512GB M.2 NMVe SSD	SSD	1	(included)	1		
3year, 24x7x4hr Onsite Support Service	Maintenance	1	(included)	1		
WAS Servers - DT-S170G1IV0	DT-S170G1IV0	1	8,000,000	1	8,000,000	
Intel® Core Processor i7-10700K, 3.8GHz	CPU	1	(included)	1		
DDR4 32GB, Samsung, UDIMM PC4-25600U	RAM	1	(included)	1		
2TB SATA HDD	HDD	1	(included)	1		
512 M.2 NVMe SSD	SSD	1	(included)	1		
2port 10G RJ-45 Adapter	NIC	1	(included)	1		
1port 1G RJ-45 Adapter	NIC	1	(included)	1		
3year, 24x7x4hr Onsite Support Service	Maintenance	1	(included)	1		
Server Hardware Sub Total					51,000,000	
Storage Hardware						
Anystor 700E-12	ASE700E-12	2	97,000,000	1	97,000,000	
Intel® Xeon Gold 6326 Processor (16Core, 2.9GHz, 24MB Cache)	-	2		2		
32GB ECC Registered Memory	-	2		8		
2-port 10G RJ45 & 2-port 10G SFP+, Intel X710-TM4	-	2		1		
Hot-Swappable 12 SAS or SATA Disk Bay	-	2		1		
PCIe Gen4 x 16 GRAID SupremeRAID Core Software Module License with Full features, supports 32 native NVMe drives and NVMe-oF	-	2		1		
AnyStor-E NAS 전용 O/S (480GB SSD X2EA, RAID1)	OS	2		1		
SAMSUNG PM9A3, 7.68TB U.2 PCIe 4.0 NVMe (SAMSUNG MZQL27T6HBLA-00A07)	Disk Drive	2	1,250,000	4	5,000,000	
Dual-Port QSFP28 100GbE Network Card	NIC Card	2	2,500,000	1	2,500,000	
100G QSFP28 Cable 3M (MCP1600-C003E26N)	NIC Cable	2	300,000	2	600,000	
Premium Package 3-Year Support & Maintenance	Support & Maintenance	2	12,000,000	1		12,000,000
Storage Hardware Sub Total					105,100,000	12,000,000
Client/Server Software						
Red Hat Enterprise Linux Server Standard 3yrs	RH00004F3	3	4,089,000	2	8,178,000	
RHEL Server Standard Maintenance - 3yrs 24x7x4hrs	RP-CPS(OS)	3	8,000,000	2		16,000,000
Red Hat JBoss Web Server 4-Core Standard 3Year	MW00123F3	3	1,944,000	2	3,888,000	
JBoss Web Server per 4Core 3Year Maintenance	RP-CPS(WAS)	3	12,000,000	2		24,000,000

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Goldilocks v3.1 Standard Edition	-		4	64,000,000	1	64,000,000	
Goldilocks v3.1 Standard Edition Technical Supports	-		4	20,000,000	3		60,000,000
Software Sub Total						76,066,000	100,000,000
Other Hardware							
DASAN Networks access switch - D2224GP, 24port POE	229178	389	5	1,900,000	3	5,700,000	
Hansung Computer - HKM1000K Keyboard mouse set			6	19,900	3	59,700	
Hansung Computer - ULTRON 2235V Freesink real75 Monitor			6	97,000	3	291,000	
Other Hardware Sub Total			Ū	01,000		6,050,700	
						0,050,700	
Discounts*							
Storage Hardware Discount						-59,230,000	-7,500,000
Red Hat OS Discount						-2,978,000	-10,000,000
Red Hat JBoss Discount						-1,288,000	-6,000,000
SW Discount - Goldilocks						-46,600,000	-52,800,000
Discounts Sub Total						-110,096,000	-76,300,000
Total						128,120,700	35,700,000
Pricing Notes1) KTNF Inc.4) Sunjesoft Inc.2) Gluesys Co.,Ltd.5) DASAN Netw3) Rockplace Inc.6) Hansung Co	vorks	Three	e year co	st of owners	hip Kf	RW(₩): 1	63,820,700
All of the prices are based on South Korea's curr (₩, Korean Won) and excluded VAT. * All discounts are based on Korea list prices and quantities and configurations. Discounts for sim configurations will be similar to those quoted her vary based on the components in the configuration	d for similar ilarly sized e, but may					oughput: 50 mance: 3,22),768 tpmC 7 ₩ / tpmC

Benchmark implementation and results independantly audited by Doug Johnson of InfoSizing (www.sizing.com)

Prices used in TPC benchmarks reflect the actual prices a customer would pay for a one-time purchase of the stated components. Individually negotiated discounts are not permitted. Special prices based on assumptions about past or future purchases are not permitted. All discounts reflect standard pricing policies for the listed components. For complete details, see the pricing sections of the TPC benchmark pricing specifications. If you find that the stated prices are not available according to these terms, please inform the TPC at pricing@tpc.org. Thank you.



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25-Jan-2024

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MQTh, computed Maximum Qualified Thro	ughput		50,768 tpmC	
Response Times (seconds)	Min	Average	90 th	Мах
New-Order	0.102	0.11	0.103	12.348
Payment	0.102	0.108	0.103	8.922
Order-Status	0.102	0.107	0.102	3.882
Delivery (interactive portion)	0.101	0.104	0.101	3.284
Delivery (deferred portion)	0.001	0.019	0.005	8.919
Stock-Level	0.102	0.108	0.103	3.882
Menu	0.101	0.105	0.102	3.308
Emulated Display Delay: 0.1 sec.				
Transaction Mix	Percent	Number		
New-Order	44.980%	21,322,770		
Payment	43.011%	20,389,345		
Order-Status	4.003%	1,897,459		
Delivery	4.003%	1,897,757		
Stock-Level	4.003%	1,897,541		
Keying Times (seconds)	Min	Average	Max	
New-Order	18.001	18.001	18.002	
Payment	3.001	3.001	3.002	
Order-Status	2.001	2.001	2.002	
Delivery	2.001	2.001	2.002	
Stock-Level	2.001	2.001	2.001	
Think Times (seconds)	Min	Average	Max	
New-Order	0.001	12.041	120.501	
Payment	0.001	12.040	120.501	
Order-Status	0.001	10.037	100.501	
Delivery	0.001	5.032	50.301	
Stock-Level	0.001	5.028	50.301	
Test Duration				
Ramp-up time				65 min
Measurement Interval (MI)				420 min
Checkpoints in MI				14
Checkpoint Interval (Average / Max)				29:21 min / 29:22 min
Number of Transactions in MI (all types)				47,404,872

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