

DRAMeXchange Market Intelligence Membership Services

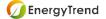
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DRAMeXchange Market Intelligent Service



Membership Service		Gen	eral	DR	AM	NA	ND	DRAM	+NAND
Item	Frequency	Silver	Gold	DRAM Platinum	DRAM Diamond	NAND Platinum	NAND Diamond	Memory Platinum	Memory Diamond
Price Information									
Spot Price Early Notice	Daily	0	©	0	0	0	0	0	0
Historical Price Download	Daily	0	0	0	0	0	0	0	0
DRAM/NAND Contract Early Notice	Monthly		0	0	0	0	0	0	0
Server DIMM Contract Price	Monthly								
Mobile Contract Prices Info.	Quarterly								
NAND Flash Wafer Spot Prices Info.	Weekly								
NAND Flash Wafer Contract Prices Info.	Monthly								
WW SSD Street Price	Biweekly								
Enterprise SSD Contract Price	Quarterly								
PC-Client OEM SSD Contract Price	Quarterly								
Report									
Research Report	Quarterly			0	0	0	0	0	0
Special Report	Aperiodically			0	0	0	0	0	0
Datasheet									
DRAM Platinum Datasheet	Monthly			0	0			0	0
NAND Platinum Datasheet	Monthly					0	0	0	0
DRAM Diamond Datasheet	Quarterly				0				0
NAND Diamond Datasheet	Quarterly						0		0
Server DRAM Datasheet	Quarterly								
Mobile Datasheet	Quarterly								
Enterprise SSD Datasheet	Quarterly								
SSD Datasheet	Quarterly								
Mobile Device Datasheet	Quarterly								
Foundry Datasheet	Quarterly								
SLC Datasheet	Quarterly								
Consumer DRAM Datasheet	Quarterly								
Other Service									
Analyst Con. Call	Quarterly			0	0	0	©	0	0
Business Visiting	Arrange			0	0	0	0	0	0
Price(USD) – Excluded Tax		2,000	6,000	10,000	18,000	10,000	18,000	18,000	33,000

DRAMeXchange Market Intelligent Service



Membership Service							Single	Purchase					
Item	Frequency	Nor Flash Report	Foundry Project	Mobile Package	Server DRAM Package	Server Platinum	Enterprise SSD Package	SSD Pro Package	SSD Package	Smartphone Market Decode	NAND Flash Wafer	SLC Datasheet	Consumer DRAM Datasheet
Price Information													
Spot Price Early Notice	Daily												
Historical Price Download	Daily												
DRAM/NAND Contract Early Notice	Monthly												
Server DIMM Contract Price	Monthly				0	0							
Mobile Contract Prices Info.	Quarterly			0									
NAND Flash Wafer Spot Prices Info.	Weekly										0		
NAND Flash Wafer Contract Prices Info.	Monthly										0		
WW SSD Street Price	Biweekly							0	0				
Enterprise SSD Contract Price	Quarterly					0	0	0					
PC-Client OEM SSD Contract Price	Quarterly							0	0				
Report													
Research Report	Quarterly			Mobile DRAM	0	0				©			
Special Report	Aperiodically	Once Only		0				0	0				
Datasheet													
DRAM Platinum Datasheet	Monthly												
NAND Platinum Datasheet	Monthly												
DRAM Diamond Datasheet	Quarterly												
NAND Diamond Datasheet	Quarterly												
Server DRAM Datasheet	Quarterly				0	0							
Mobile Datasheet	Quarterly			0									
Enterprise SSD Datasheet	Quarterly					0	0	0					
SSD Datasheet	Quarterly							0	0				
Smartphone Datasheet	Quarterly									0			
Foundry Datasheet	Quarterly		0										
SLC Datasheet	Quarterly											0	
Consumer DRAM Datasheet	Quarterly												0
Other Service													
Analyst Con. Call	Quarterly		0	0		0	0	0	0				
Business Visiting	Arrange		0			0	0	0					
Price(USD) – Excluded Tax	Ĭ	1,500	70,000	8,000	12,000	22,000	12,000	18,500	8,500	12,000	5,000	6,000	6,000

Enterprise SSD Package



Enterprise SSD Package Service covers as below:

I Enterprise SSD Contract Price

The Enterprise SSD contract prices are covering North America, Japan, Europe, and other markets and generally derived from the quarterly negotiations between enterprise SSD markets.

I Enterprise SSD Quarterly Datasheet

Enterprise SSD Datasheet provides you with the latest SSD density and shipment forecast for server equipment and data centers. Also, enterprise SSD interface, form factor breakdown, and read / mixed read / write load / write intensify Enterprise SSD breakdown.

Enterprise SSD

Contract Pr	rise SSD rice Update : USD)		3Q19			4Q19		Change		
Ite	em	Hi	Low	Avg	Hi	Low	Avg			Avg(%)
PCIe NVMe	960GB									
	1920GB									
Gen3X4	3840GB									
2.5"	7680GB									
	480GB			DICI	III	40	DC		,	
SATA3	960GB			VE.	VU	1.0	N			is .
read intensive 2.5"	1920GB									
	3840GB			0		8				2
	7680GB			is a		o :				

Last update: 2019/10/29

Enterprise SSD Revenue

Enterprise SSD ASP

Worldwide Enterprise SSD Shipment

Worldwide Enterprise SSD Shipment by brand

Enterprise SSD Contract Price Forecast

Enterprise SSD Architecture Breakdown

Enterprise SSD Interface Breakdown

Worldwide Enterprise SSD Capacity Breakdown by Capacity

Price Crossover Point for Enterprise HDD and Enterprise SSD-SATA

Price Crossover Point for Enterprise HDD and Enterprise SSD-SAS

SSD Shipment Breakdown by Type

NAND Flash Demand Portion

SSD Package



SSD Package Service covers as below:

I WW SSD Street Price

WW SSD Street Price collected by diverse brands and densities in major markets, including NA, Japan and EU.

I PC-Client OEM SSD Contract Price

The worldwide PC-Client OEM SSD contract prices are generally derived from the quarterly negotiations between SSD suppliers and top tier OEM/ODMs.

I SSD Quarterly Datasheet

SSD Datasheet provides you with latest SSD density and shipment forecast in PC, server, disk on module and MID market.

PC-Client OEM S	SSD Contract Price Update (Unit: USD)		3Q19			4019			Change	
	Item	Hi	Low	Avg	Hi	Low	Avg	Hi(%)	Low(%)	Avg(%)
	128GB-mSATA/M.2									
	256GB-mSATA/M.2									
TICCATA	512GB-mSATA/M.2		0							
TLC SATA	128GB-2.5"inch									
	256GB-2.5"inch				-	-				
	512GB-2.5"inch		'DI	IN		10	00			
TLC PCIe-	256GB-mSATA/M.2			LIN	DI	U.	11			
Premium	512GB-mSATA/M.2				2					
Grade	1TB-mSATA/M.2				17					
	128GB-mSATA/M.2									
TLC PCIe- Value Grade	256GB-mSATA/M.2				- 4					
	512GB-mSATA/M.2		-							

Last update: 2019/10/2

DRAMeXC	hange	SSD Street Price DRAMeXchange will st We will survey SSD stre		SSD street price						
Brand	Class	Series	Capacity (GB)	Form Factor	Architectu	Model	Interface		Price Low -	Price Avg. Last Ave
Intel	Mainstream	545S	128	2.5"	3D-TLC	SSDSC2KW128G8X1	SATA 3	10000		
Intel	Mainstream	545S	256	2.5"	3D-TLC	SSDSC2KW256G8X1	SATA 3			
Intel	Mainstream	660P	512	M.2	3D-QLC	SSDPEKNW512G8X	PCIE			
Intel	Mainstream	660P	1024	M.2	3D-QLC	SSDPEKNW010T8X1	PCIE			
Intel	Mainstream	660P	2048	M.2	3D-QLC	SSDPEKNW020T8X1	PCIE			
Intel	Mainstream	760P	128	M.2	3D-TLC	SSDPEKKW128G8XT	PCIE			
Intel	Mainstream	760P	256	M.2	3D-TLC	SSDPEKKW256G8XT	PCIE			
Intel	Mainstream	760P	512	M.2	3D-TLC	SSDPEKKW512G8XT	PCIE			
Intel	Mainstream	760P	1024	M.2	3D-TLC	SSDPEKKW010T8X1	PCIE			
Kingston	Mainstream	UV400	240	2.5"	TLC	SUV400S37/240G	SATA 3			
Kingston	Mainstream	UV500	120	2.5"	3D-TLC	SUV500/120G	SATA 3			
Kingston	Mainstream	UV500	240	2.5"	3D-TLC	SUV500/240G	SATA 3			
Kingston	Mainstream	UV500	480	2.5"	3D-TLC	SUV500/480G	SATA 3			
Kingston	Mainstream	UV500	960	2.5"	3D-TLC	SUV500/960G	SATA 3			
Kingston	Mainstream	A400	120	2.5"	TLC	SA400S37/120G	SATA 3			
Kingston	Mainstream	A400	240	2.5"	TLC	SA400S37/240G	SATA 3			
Kingston	Mainstream	A400	480	2.5"	TLC	SA400S37/480G	SATA 3			
Kingston	Mainstream	A400	960	2.5"	TLC	SA400S37/960G	SATA 3			
Kingston	Mainstream	A1000	960	M.2	3D-TLC	SA1000M8/960G	PCIE			
Kingston	Mainstream	A2000	250	M.2	3D-TLC	SA2000M8/250G	PCIE			
Kingston	Mainstream	A2000	500	M.2	3D-TLC	SA2000M8/500G	PCIE			

SSD Market by Channel

SSD Shipment & Revenue

SSD Architecture Breakdown

SSD Interface Breakdown

Worldwide Personal Computer SSD Market Revenue

Worldwide Personal Computer SSD Shipment

SSD Shipment Forecast

Worldwide Personal Computer SSD Capacity Breakdown by Capacity

SSD Capacity Forecast

Worldwide Personal Computer SSD and HDD Adoption Rate

Price Crossover Point for HDD and SSD

NAND Flash Demand Portion

Cost Analysis – NAND Flash Price Trend

Client SSD Price Forecast

Portable SSD Shipment Forecast





TrendForce & TRI Research Areas



IC



Memory

Consumer Electronics



Green Energy



Display Panel





Innovative Technology



Intelligent Living



Automotive Technology



ΑI



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Cloud Computing & IoT

Sales & Services



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